Check – 1000106404

Internal Use Only	
APP ID: APCD	-APP/CER-
SITE ID: APCD	-SITE-

GENERAL PERMIT OR REGISTRATION APPLICATION FORM

DEC 14 2018

$8025

APCD AIR POLLUTION CONTROL DISTRICT COUNTY OF SAN DIEGO

Submittal of this application does not grant permission to construct or to operate equipment except as specified in Rule 24(c).

REASON FOR SUBMITTAL OF APPLICATION:

- ☐ New Installation
- ☐ Amendment to Existing Authority to Construct or Application
- ☐ Change of Permit Conditions
- ☐ Registration of Portable Equipment
- ☐ Existing Unpermitted Equipment or Rule 11 Change
- ☐ Change of Equipment Location
- ☐ Change Permit to Operate Status to Inactive
- ☑ Other (Specify) Title 5 Permit Renewal
- ☐ Modification of Existing Permitted Equipment
- ☐ Change of Equipment Ownership *(please provide proof of ownership)*
- ☐ Banking Emissions

List affected APP/PTO Record ID(s): APCD2011-PTO-000947 APCD2011-PTO-000948

APPLICANT INFORMATION

Name of Business (DBA) Otay Mesa Energy Center, LLC

Does this organization own or operate any other APCD permitted equipment at this or any other adjacent locations? ☐Yes ☑No

If yes, list assigned Site Record IDs listed on your Permits

Name of Legal Owner (if different from DBA) Otay Mesa Energy Center, LLC

Equipment Owner	Authority to Construct Mailing Address
Name: Otay Mesa Energy Center, LLC	Name: Same as Equipment Owner
Mailing Address: 606 De La Fuente Court	Mailing Address:
City: San Diego State: CA Zip: 92154	City: State: Zip:
Phone: (619) 210-1198	Phone: ( )
E-Mail Address:	E-Mail Address:

Permit To Operate Mailing Address	Invoice Mailing Address
Name: Same as Equipment Owner	Name: Same as Equipment Owner
Mailing Address:	Mailing Address:
City: State: Zip:	City: State: Zip:
Phone: ( )	Phone: ( )
E-Mail Address:	E-Mail Address:

EQUIPMENT/PROCESS INFORMATION: Type of Equipment: ☑ **Stationary** ☐ **Portable,** ***if portable please enter below the equipment storage address.*** **If portable, will operation exceed 12 consecutive months at the same location** ☐ **Yes** ☐ **No**

Equipment Location Address 606 De La Fuente Court City San Diego State: CA

Parcel No. Zip 92154 Phone (610)210-1198 E-mail: LBresnahan@calpine.com

Site Contact Lauren Bresnahan Phone (510) 731-1407

General Description of Equipment/Process Electricity production

Application Submitted by ☑ Owner ☐ Operator ☐ Contractor ☐ Consultant Affiliation

EXPEDITED APPLICATION PROCESSING: ☐ **I hereby request Expedited Application Processing and understand that:**

a) Expedited processing will incur additional fees and permits will not be issued until the additional fees are paid in full (see Rule 40(d)(8)(iv) for details) b) Expedited processing is contingent on the availability of qualified staff c) Once engineering review has begun this request cannot be cancelled d) Expedited processing does not guarantee action by any specific date nor does it guarantee permit approval.

I hereby certify that all information provided on this application is true and correct.

SIGNATURE [redacted] Date 12/13/18

Print Name Dale Donmoyer Company Otay Mesa Energy Center, LLC

Phone (619) 210-1207 E-mail Address DDonmoyer@calpine.com

Internal Use Only

Date Staff Initials: Amt Rec'd $ Fee Schedule

RNP: EMF: NBF: TA: GEN_APP_Form_Rev Date: Aug. 2017

Otay Mesa Energy Center, LLC

606 De La Fuente Court
San Diego, CA 92154

December 13, 2018

San Diego Air Pollution Control District
10124 Old Grove Road
San Diego, CA 92131-1649
Attn: Engineering/ Permits

DEC 14 2018

Re: Otay Mesa Energy Center, LLC Title V Permit Renewal

To whom it may concern:

Included under this cover letter, please find the Title V Permit Renewal Application for the Otay Mesa Energy Center, LLC (OMEC) as per the requirements of the San Diego Air Pollution Control District Regulation XIV (Title V Operating Permits). The application due date is December 14, 2018. Included in the application are the San Diego Air Pollution Control District (SDAPCD) Title V Forms and supplemental data in order to support the application as summarized in Regulation XIV, Rule 1414.

Also included with this package and attached to this cover letter is the Title V Application fee as calculated by SDAPCD. If you need additional copies or other electronic files, please let us know.

We look forward to working with you. If you have any questions, please do not hesitate to call Lauren Bresnahan, EHS Specialist, at 510-731-1407.

Sincerely,

[redacted]

Dale Donmoyer
General Plant Manager and
Designated Representative/Responsible Official
Otay Mesa Energy Center, LLC

GENERAL PERMIT OR REGISTRATION APPLICATION INSTRUCTIONS

GENERAL

The owner or designated agent must complete and sign this form and file it with one copy of all attachments, required supplementary forms, drawings and the appropriate fee.

The appropriate fee (payable to "County of San Diego APCD") must be submitted with this Permit/Registration Application. Application processing will not begin until the full required fee has been received. Excess fees will be refunded upon completion of the application process. If you do not know the appropriate fee or need to discuss the information required, please contact the District at (858) 586-2600 and ask for assistance in determining an application fee.

REASON FOR SUBMITTAL OF APPLICATION

- New Installation - check if you are installing equipment that does not currently have a District Permit to Operate (PTO)
- Existing Unpermitted Equipment or Rule 11 Change - check if applying for installed existing equipment that is currently unpermitted or equipment that is now subject to District Rules due to Rule 11 changes
- Modification of Existing Permitted Equipment - check if you are making a change to equipment with a current District Permit to Operate. (List affected PTO Record ID(s) – Note: PTO Record ID Format: APCD2015-PTO-123456)
- Amendment to Existing Authority to Construct or Permit/Registration Application - check this line if you are amending a previously submitted application form or if amending a current Authority to Construct. (List affected Application Record ID(s) Application Record ID Format: APCD2015-APP-123456)
- Change of Equipment Location - check if you are moving non-portable equipment with a current District Permit to Operate. (List affected PTO Record IDs)
- Change of Equipment Ownership - check if you are now the owner of equipment with a current District Permit to Operate under a different owner. Provide proof of ownership with application. (List affected PTO Record ID(s))
- Change of Permit Conditions - check if equipment with a current Permit to Operate requires changes to the existing operating conditions. (List affected PTO Record ID(s) on line 12)
- Change Permit to Operate Status to Inactive - check if you wish to maintain your current Permit to Operate but are not going to operate the equipment. (List affected PO #(s))
- Banking Emissions - check if you are retiring equipment with a current District Permit to Operate and wish to bank the emissions for future credits. (List affected PTO Record ID(s) on)
- Registration of Portable Equipment - check this line if you are applying for registration of portable equipment
- Other - check for any action not covered
- List affected Application/PTO Record ID(s) - if the application being submitted is for an existing operation please listed the affected permits

APPLICANT INFORMATION

Please enter the requested addresses, including the mailing address to be used to send the Authority to Construct, Permit to Operate, and invoices

EQUIPMENT/PROCESS INFORMATION

Check Stationary (e.g. gasoline service site, dry cleaning facility, etc.) or Portable (abrasive blast pot, roofing kettle, etc.) depending upon the type of equipment for which you are filing an application. Also check Yes if the equipment is portable and will operate more than 180 consecutive days at a single site. Otherwise, check No.

Please enter the location where the equipment is or will operate if this application is for a stationary source. If the application is for a portable operation please enter the address that will be used to store the portable unit

INDEMNIFICATION

In accordance with District Rule 40(d)(8)(vi), the applicant, to the extent the applicant is at fault in causing liability to the District, shall indemnify the District (including its agents, officers and employees) from any claim, action, liability, or proceeding to attack, set aside, void or annul the applicant's project or any of the proceedings, acts or determinations taken, done or made as a result of the District's processing and/or approval of the project. The applicant's obligation to indemnify shall include, but not be limited to, payment of all court costs and attorneys' fees, costs of any judgments or awards against the District, damages, and/or settlement costs, which arise out of the District's processing and/or approval of the applicant's project, except that an applicant shall only be responsible for indemnifying the District according to the proportion of fault caused by the applicant, as determined by a court. By signing and submitting this application, an applicant agrees to such indemnification.

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A1)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS # _____ SITE ID # _____

I. FACILITY IDENTIFICATION

1. Facility Name (if different than company name): Otay Mesa Energy Center, LLC
2. Four digit SIC Code: 4911
3. Parent Company (if different than Company Name): Calpine Corporation
4. Mailing Address: 606 De La Fuente Court
   City San Diego State CA Zip 92154
5. Street Address or Source Location: 606 De La Fuente Court
   City San Diego State CA Zip 92154
6. UTM Coordinates: 507705E 3604038N
7. Source Located within 50 miles of a state line: ☑ Yes ☐ No (All sources **are** within 50 miles)
8. Source Located within 1000 feet of a school: ☐ Yes ☑ No
9. Type of Organization: ☑ Corporation ☐ Sole Ownership ☐ Government ☐ Partnership ☐ Utility Company
10. Legal Owner's Name: Otay Mesa Energy Center, LLC
11. Owner's Agent name (if any): _____
12. Responsible Official: Dale Donmoyer
13. Plant Site Manager/Contact: Dale Donmoyer Phone #: 619-210-1207 FAX #: 619-710-2401
14. Application Contact: Lauren Bresnahan EHS Specialist III 510-731-1407 LBresnahan@calpine.com
15. Type of Facility: Electric power generation facility
16. General description of processes/products: Electricity production
17. Is a Federal Risk Management Plan (RMP) pursuant to Section 112(r) required? ☑ Yes ☐ No
    (If application is submitted after RMP due date, attach verification that plan is registered with the appropriate agency.)

II. TYPE OF PERMIT ACTION (check)	CURRENT PERMIT (permit number)	EXPIRATION (date)
☐ Initial Title V Application	N/A	N/A
☒ Permit Renewal	APCD2010-TVP-00025	December 14, 2019
☐ Significant Permit Modification		
☐ Minor Permit Modification		
☐ Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:
   ☐ Temporary Source ☐ Voluntary Emissions Caps
   ☑ Acid Rain Source ☐ Alternative Operating Scenarios ☑ Abatement Devices
   ☑ CEMs ☐ Permit Shield
   ☐ Outdated SIP Requirement Streamlining ☐ Multiple Applicable Requirement Streamlining
   ☐ Source Subject to MACT Requirements [Section 112]
   ☐ Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]
2. Is source operating under a Compliance Schedule? ☐ Yes ☑ No ☐ Proposed
3. Is source operating under a Variance ☐ Yes ☑ No (If Yes, please attach variance information)
4. For permit modification, provide a general description of the proposed permit modification:
   N/A

IV. SUPPLEMENTAL ATTACHMENTS*: Attachments A through D. Supplemental forms on file at APCD.

* Means all attachments to the complete application.

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A2)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS # _____ SITE ID # _____

I. MAJOR SOURCE APPLICABILITY

Check appropriate pollutant(s) for which you are a Major Source under Title V. Applicability is based on potential to emit. **If more space is necessary, use additional forms. Please type or print legibly.**

POLLUTANT	MAJOR SOURCE THRESHOLD TOTAL EMISSIONS, TPY	(check if appropriate)
VOC	100	☐
PM_{10}	100	☐
SO_2	100	☐
NOx	100	☒
CO	100	☒
ODC	100	☐
LEAD COMPOUNDS	10	☐
HAZARDOUS AIR POLLUTANTS		
SINGLE HAP	10	☐
		☐
		☐
COMBINATION HAP	25	☐
		☐
		☐
		☐

Attach all necessary calculations to this form as applicable. NOTE: Calculations are only needed if no Emission Inventory is on file with the District

Reference _____ Inventory Year N/A

[redacted]
Signature of Responsible Official

12/13/18
Date

Dale Donmoyer
Print Name of Responsible Official

(619) -210-1207
Telephone No. of Responsible Official

General Plant Manager
Title of Responsible Official

II. EMISSIONS CALCULATIONS ATTACHED (as needed)

☐ Yes ☑ No

DISTRICT USE ONLY

Date Application Received: _____ **Application #** _____

Application Filing Fee: _____ **District Received Stamp:** _____

Receipt #: _____ **Fee Code:** _____

San Diego County Air Pollution Control District
10124 Old Grove Rd., San Diego, CA 92131
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS # _____
Facility Address: 606 De La Fuente Court, San Diego, CA. 92154	SITE ID # _____

LIST OF EQUIPMENT – INSIGNIFICANT ACTIVITIES

Place a check mark in the appropriate box for equipment that is considered an insignificant activity based on throughput or equipment capacity.

Exemptions based on Size (Capacity)

	(Condensed Language of Rule)	Appendix A Citation
☐	Stationary & portable internal combustion engines with ≤ 50 bhp output rating	(d)(1)(iii)
☐	Stationary gas turbines with a power rating of < 0.3 megawatt (MW) or a maximum gross heat input rating of 1 million BTUs per hour	(d)(1)(iv)
☒	Water cooling towers & ponds with a capacity < 10,000 gal/min not used for evaporative cooling of process water or not used for evaporative cooling of water, contaminated water or industrial waste water from barometric jets or from barometric condensers.	(d)(2)
☐	Fuel-burning equipment with a maximum gross heat input rate of < 1 million Btu/hour when not part of a process, process line, line, equipment, article, machine or other contrivance for which a permit to operate is required by these Rules and Regulations	(d)(4)(i)
☐	Fuel burning equipment with a maximum gross heat input of < 20 million Btu/hour, and fired exclusively with natural gas and/or liquefied petroleum gas	(d)(4)(ii)
☐	Steam boilers, process heaters, and steam generators with a maximum gross heat input of < 5 million Btu/hour	(d)(4)(iii)
☐	Crucible-type or pot-type furnaces with a brimful capacity of < 450 in^3 of any molten metal	(d)(12)
☐	Crucible, pot or induction furnaces with a capacity of ≤ 2500 in^3, in which no sweating or distilling is conducted and from which only non-ferrous metals except yellow brass, are poured or non-ferrous metals are held in a molten state	(d)(13)
☐	Dry batch mixers with ≤ 0.5 cubic yards rated working capacity	(d)(27)
☐	Batch mixers (wet) with ≤ 1 cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
☐	Roofing kettles (used to heat asphalt) with a capacity of ≤ 85 gallons	(d)(33)
☒	Abrasive blasting equipment with a manufacturer's-rated sand capacity of < 100 lbs or < 1 ft^3	(d)(34)
☐	Paper shredders and paper disintegrators that have a capacity of 600 pounds per hour or less, and the associated conveying systems and baling equipment.	(d)(41)
☐	Ovens having an internal volume of ≤ 27 ft^3 in which organic solvents or materials containing organic solvents are charged	(d)(59)
☐	Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of ≤ 1.0 ft^2	(d)(61)(i)
☐	Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of ≤ 1 gallon	(d)(61)(ii)

Continued - Exemptions based on Size (Capacity)

	(Condensed Language of Rule)	Appendix A Citation
☐	Stationary organic compound storage tanks with a capacity of ≤ 250 gallons	(e)(1)
☐	Liquid surface coating application operations using hand-held brushes for application of a primer coating from containers of ≤ eight (8) ounces in size, to fasteners to be installed on aerospace parts	(h)(5)
☐	Liquid surface coating application operations using air brushes with a coating capacity of ≤ 2 ounces for the application of a stencil coating	(h)(6)
☐	Metal inspection tanks that: a) do not utilize a suspension of magnetic or fluorescent dye particles in volatile organic solvent, and b) have a liquid surface area < 5 ft^2 and c) are not equipped with spray type flow or a means of solvent agitation	(o)(5)
☐	Bakery ovens used for baking yeast leavened products where the combined rated heat input capacity is < 2 million Btu/hr	(o)(37)

Exemptions based on Production Rates (Emission Limits)

☐	Printing or graphic arts presses located at a stationary source which emits a total of <15 lbs/day of VOC's subject to Rule 67.16, on each day of operation	(d)(7)
☐	Solder levelers, hydrosqueegees, wave solder machines, and drag solder machines which use < 10 lbs/day of any material containing VOCs	(d)(23)
☒	Fire extinguishing equipment, using halons with a charge of < 50 lbs. of a Class I or Class II ozone depleting compound.	(d)(31)
☐	Coffee roasting equipment with a manufacturer's rating of ≤ 15 lbs/hr	(d)(45)
	Equipment used to manufacture bio-agricultural products for exclusive use in field testing required to obtain FDA, EPA, USDA and /or Cal-EPA approval, provided the uncontrolled emissions of VOCs from all such operations < 5 ton/yr.	(d)(49)(iii)
☐	Oil quenching tanks which use < 20 gal/yr of make-up oil	(d)(56)
☐	Equipment that is used to conduct research and develop new or improved processes/products, and is operated by technically trained personnel under the supervision of a research director, and is not used in the manufacture of products for sale or exchange for commercial profit, and all emissions are < 15 lbs/day.	(d)(48)
☐	Powder coating operations, except metalizing gun operations, where surface preparation or cleaning solvent usage is < 0.5 gal/day	(d)(62)
☐	Equipment used to transfer fuel to & from amphibious ships for maintenance purposes, provided total annual transfers < 60,000 gal/yr.	(f)(2)
☐	Stationary storage tanks (excluding tanks subject to Rule 61.9) used exclusively for the storage of liquid organic solvents used as dissolvers, viscosity reducers, reactants, extractants, cleaning agents or thinners provided that emissions < 15 lbs/day.	(e)(3)
☐	Liquid surface coating or adhesive application operations (portable or stationary) where not more than 20 gallons per year of material containing organic compounds are applied	(h)(1)
☐	Liquid surface coating application operations exclusively using materials with a VOC content of < 20 g/L where < 30 gal/day of such materials are applied.	(h)(2)
☐	Foam manufacturing or application operations which emit < 5 lbs/day of VOCs	(i)(1)
☐	Reinforced plastic fabrication operations using resins such as epoxy and/or polyester which emit < 5 lbs/day of VOCs	(i)(2)
☐	Plastics manufacturing or fabrication operations which emit < 5 lbs/day of VOCs	(i)(3)
☐	Cold solvent degreasers used for educational purpose and which emit < 5 lbs/day of VOCs	(i)(4)

☐	Golf grip application stations which exclusively use liquid materials with an initial boiling point of 450°F (232°C), or greater and which emit < 5 lbs/day of VOCs.	(i)(5)
☐	Batch-type waste-solvent recovery stills with batch capacity of ≤ 7.5 gallons for onsite recovery provided the still is equipped with a safety device & VOC emissions are < 5 lbs/day	(i)(6)
☐	Peptide and DNA synthesis operations which emit < 5 lbs/day of VOCs	(i)(7)
☐	Equipment used for washing or drying articles fabricated from metal, cloth, fabric or glass, provided that no organic solvent is employed in the process and that no oil or solid fuel is burned and none of the products being cleaned has residues of organic solvent and VOC emissions are <5 lbs/day	(i)(8)
☐	Hot wire cutting of expanded polystyrene foam which emit < 5 lbs/day of VOCs.	(i)(9)
☐	Any coating and/or ink manufacturing operations located at a stationary source, which emit < 15 lbs/day of VOCs.	(o)(9)
☐	Any operation producing materials for use in cosmetic or pharmaceutical products and/or manufacturing cosmetic or pharmaceutical products by chemical processes, which emit < 15 lbs/day of VOCs	(o)(12)
☒	Refrigeration units except those used as, or with, air pollution control equipment with a charge of < 50 lbs of a Class I or II ozone depleting compound.	(o)(18)
☐	Atmospheric organic gas sterilizer cabinets where ethylene oxide emissions are < 5 lbs/yr	(o)(28)
☐	Aerosol can puncturing/crushing operations which vents all emissions through a properly operated/maintained carbon canister, provided < 500 cans/day are processed.	(o)(29)(ii)
☐	Solvent wipe cleaning operations using a container applicator that minimizes emissions to the air where the uncontrolled emissions of VOCs < 5 ton/yr, or the total purchase of solvents < 1,500 gal/yr, or the total purchase of solvents containing a single HAP < 350 gal/yr.	(o)(32)
☐	Equipment approved for use by the EPA for recovering and/or recycling CFCs provided such equipment is charged with < 50 lbs. of a Class I or II ozone depleting compound.	(o)(33)
☐	Stationary IC engines rated at ≤ 200 bhp installed and operated before November 15, 2000, which operate < 200 hr/yr.	(o)(34)(ii)

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

Title V Application
Applicable Requirements Summary Checklist (Form 1401-H1)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS # _____ SITE ID # _____

APPLICABLE REQUIREMENTS: Applicable requirements which apply to an entire facility are listed first. The applicant should check appropriate boxes on the form and attach emission unit specific permit number lists where necessary. Where streamlining is employed, note on this form. If information does not fit in the space allotted, attach documentation and reference it on this form. **Type or print legibly.**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility														Future Effective Date
Facility Applicable Requirement Description																		
10(a)	Permits Required – (a) Authority to Contruct			✓														
10(b)	Permits Required – (b) Permit to Operate			✓														
19	Provision of Sampling & Testing Facilities			✓														
19.2	Continuous Emission Monitoring Requirements			✓														
19.3	Emission Information			✓														
NSR	New Source Review			✓														
PSD	Prevention of Significant Deterioration			✓														
21	Permit Conditions			✓														
50	Visible Emissions			✓														
51	Nuisance			✓														
60	Circumvention			✓														
67.0	Architectural Coatings	(g)		✓														
67.17	Storage of Materials Containing VOC	(e)		✓														
71	Abrasive Blasting			✓														
98	Breakdown Conditions: Emergency Variance			✓														
101	Burning Control			✓														
131	Stationary Source Curtailment Plan			✓														
132	Traffic Abatement Plan			✓														

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	CT1	CT2	HRSG 1	HRSG 2										Future Effective Date
	Equipment Specific Applicable Requirement Description																	
50	Visible Emissions			✓	✓	✓	✓	✓										
51	Nuisance			✓	✓	✓	✓	✓										
52	Particulate Matter	Method 5		✓	✓	✓	✓	✓										
53	Specific Contaminants	Method 5		✓	✓	✓	✓	✓										
53.1	Scavenger Plants																	
54	Dust and Fumes	Method 5		✓	✓	✓	✓	✓										
58	Incinerator Burning																	
59	Control of Waste Disposal – Site Emissions	(e)	(e) & (f)															
60	Circumvention			✓	✓	✓	✓	✓										
61.1	Receiving & Storing VOCs at Bulk Plants & Terminals	(d)	(c)(7)															
61.2	Transfer of VOCs into Mobil Transport Tanks	(c)(10)																
61.3	Transfer of VOCs into Stationary Storage Tanks		(c)(2)(iii)															
61.3.1	Transfer Of Gasoline Into Stationary Underground Storage Tanks (not in the SIP)	(h)	(g)															
61.4	Transfer of VOCs into Vehicle Fuel Tanks																	
61.4.1	Transfer Of Gasoline From Stationary Underground Storage Tanks Into Vehicle Fuel Tanks (not in the SIP)	(g)	(f)															
61.5	Visible Emissions Standards for Vapor Control Equip.		VE															
61.7	Spillage & Leakage of VOCs																	
61.8	Certification Requirements for Vapor Control Equip.																	
62	Sulfur Content of Fuels			✓	✓	✓	✓	✓										
64	Reduction of Animal Matter																	
66	Organic Solvents	(p)	(o)															
66.1	Misc. Surface Coating Operations & other Processes Emitting VOC (not in SIP)	(h)	(f)															
67.1	Alternative Emission Control Plans (AECP)	(c)	(d)															
67.2	Dry Cleaning - Petroleum Solvent	(f)	(e)															
67.3	Metal Parts Coating	(g)	(f)															
67.4	Can & Coil Coating	(g)	(f)															
67.5	Paper, Film and Fabric Coating	(f)	(e)															

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	CT1	CT2	HRSG 1	HRSG 2											Future Effective Date
67.6	Solvent Cleaning Operation	(f)		✓															
67.6.1	Cold Solvent Cleaning and Stripping Operations	(g)	(f)																
67.7	Cutback & Emulsified Asphalt	(f)	(e)																
67.9	Aerospace Coating Operations	(g)	(f)																
67.10	Kelp Processing and Bio-Polymer Mfg.	(f)	(e)																
67.11	Wood Products Coating Operations (not in SIP)																		

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	CT1	CT2	HRSG 1	HRSG 2											Future Effective Date
67.12	Polyester Resin Operations	(g)	(f)																
67.15	Pharmaceutical & Cosmetic Manufacturing	(e)																	
67.16	Graphic Arts Operations	(g)	(f)																
67.17	Open VOC Containers	(e)		✓															
67.18	Marine Coating Operations	(g)	(f)																
67.19	Coating and Printing Inks Mfg. Operations	(g)	(f)																
67.20	Motor Vehicle & Mobile Equipment Refinishing Operations																		
67.21	Adhesive Material Application Operations																		
67.22	Expandable Polystyrene Foam Products Manufacturing Operations (not in SIP)																		
67.24	Bakery Ovens	(f)	(e)																
68	Fuel Burning Equipment - NOx			✓	✓	✓	✓	✓											
69.2	Boilers	(f)	(e) & (g)				✓	✓											
69.3	Stationary Gas Turbine Engines - RACT	(f)	(e) & (g)		✓	✓													
69.3.1	Stationary Gas Turbine Engines – BARCT (not in SIP)	(f)	(e) & (g)		✓	✓													
69.4	Stationary Internal Combustion Engines - RACT	(f)	(e)																
69.4.1	Stationary Internal Combustion Engines – BARCT (not in SIP)	(f)	(e)																
70	Orchard Heaters																		

71	Abrasive Blasting			✓														
20.1	Applicability, Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements (SIP Version 7/5/79)			✓														
20.1	NSR - General Provisions (Version 11/4/98) (not in SIP)			✓														
20.2	Standards for Authority to Construct Best Available Control Technology (SIP Version 7/5/79)																	
20.2	NSR – Non-major Stationary Sources (Version 11/4/98) (not in SIP)																	
20.3	Standards for Authority to Construct - Air Quality Analysis (SIP Version 7/5/79)			✓														

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	CT1	CT2	HRSG 1	HRSG 2										Future Effective Date
20.3	NSR – Major Stationary Source and PSD Stationary Source (Version 11/4/98) (not in SIP)			✓														
20.4	Standards for Authority to Construct - Major Sources (SIP Version 7/5/79)																	
20.4	NSR – Portable Emission Units (Version 11/4/98) (not in SIP)																	
20.5	Power Plants (SIP Version 7/5/79)			✓														
20.6	Standards for Permit to Operate Air Quality Analysis (SIP Version 7/5/79)																	
SUBPART	**Regulation X - Standards of Performance for New Stationary Sources (NSPS)**	**Rule #**	**Rule #**															
A	General Provisions		260.7 260.13	✓	✓	✓	✓	✓										
D	Standards of Performance for Fossil-Fuel Fired Steam Generators	260.46	260.45															
Da	Standards of Performance for Electric Utility Steam Generating Units Constructed After September 18, 1978		260.47a 260.48a 260.49a															
Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating	260.45b 260.46b	260.47b 260.48b 260.49b				✓	✓										
E	Standards of Performance for Incinerators	260.54	260.53															
I	Standards of Performance for Asphalt Concrete Plants	260.93																

K	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after June 11, 1973 and Prior to May 19, 1978		260.113															
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after May 18, 1978	260.113a	260.115a															
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984	260.113b	260.115b 260.116b															
RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	CT1	CT2	HRSG 1	HRSG 2										Future Effective Date
Subpart																		
L	Standards of Performance for Secondary Lead Smelters	260.123																
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	260.133																
O	Standards of Performance for Sewage Treatment Plants	260.154	260.153															
DD	Standards of Performance for Grain Elevators	260.303																
EE	Standards of Performance for Surface Coating Metal Furniture	260.313 260.316	260.314 260.315															
GG	Standards of Performance for Stationary Gas Turbines	260.335	260.334		✓	✓												
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	260.433 260.435	260.434															
RR	Standards of Performance for the Pressure Sensitive Tape and Label Surface Coating Operations	260.444 260.446	260.445 260.447															
SS	Standard of Performance for the Industrial Surface Coating Large Appliances	260.453 260.456	260.454 260.455															
TT	Standards of Performance for Metal Coil Surface Coating	260.463 260.466	260.464 260.465															
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	260.543 260.547	260.544 260.545 260.546															
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	260.583	260.584 260.585															
JJJ	Standards of Performance for Petroleum Dry Cleaners																	

SUBPART	New Source Performance Standards (40 CFR 60)																	
Cb, F	Portland Cement Plants																	
Dc	Small Industrial -Commercial -Institutional Steam Generators >10 MM Btu but <100 MM Btu.																	
Ea	Municipal Waste Combustors																	
G	Nitric Acid Plants																	
H & Cb	Sulfuric Acid Plants																	

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	CT1	CT2	HRSG 1	HRSG 2										Future Effective Date
Subpart																		
N	Oxygen Process Furnaces																	
Na	Oxygen Process Steelmaking Facilities																	
P	Primary Copper Smelters																	
Q	Primary Zinc Smelters																	
R	Primary Lead Smelters																	
S	Primary Aluminum Reduction Plants																	
T & U	Phosphate Fertilizer Industry																	
V,W,X	Phosphate Fertilizer Industry																	
Y	Coal Preparation Plants																	
Z	Ferroalloy Production Facilities																	
AA, AAa	Steel Plants																	
BB	Kraft Pulp Mills																	
CC	Glass Manufacturing Plants																	
HH	Lime Manufacturing Plants																	
KK	Lead-Acid Battery Manufacturing Plants																	
LL	Metallic Mineral Processing Plants																	
MM	Automobile and Light-Duty Truck Surface Coating Operations																	
NN	Phosphate Rock Plants																	
PP	Ammonium Sulfate Manufacture																	
UU	Asphalt Processing and Asphalt Roofing Manufacture																	

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.																	
WW	Beverage Can Surface Coating Industry																	
XX	Bulk Gasoline Terminals																	
AAA	New Residential Wood Heaters																	
DDD	VOC Emissions from the Polymer Mfg. Ind.																	
GGG	Equipment Leaks of VOC in Petroleum Refineries.																	

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	CT1	CT2	HRSG 1	HRSG 2										Future Effective Date
Subpart																		
HHH	Synthetic Fiber Production Facilities																	
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO_2 Emissions.																	
HHH	Synthetic Fiber Production Facilities																	
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO_2 Emissions.																	
NNN	VOC Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations.																	
OOO	Standard of Performance for Nonmetallic Mineral Processing Plants																	
PPP	Wool Fiberglass Insulation Mfg. Plants																	
QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems.																	
RRR	VOC Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes.																	
SSS	Magnetic Tape Coating Facilities																	
TTT	Industrial Surface Coating Surface, Surface Coating of Plastic Parts for Business Machines.																	
UUU	Calciners and Dryers in Mineral Industries.																	
VVV	Polymeric Coating of Supporting Substances Facilities.																	
WWW	Standards of Performance for Municipal Solid Waste Facilities																	

IIII	Stationary Compression Ignition Internal Combustion Engines NSPS																	
JJJJ	Stationary Spark Ignition Internal Combustion Engines NSPS																	
SUBPART	REGULATION XI - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)																	
A	General Provisions			✓														
C, D	Beryllium Extraction Plants; Ceramic Plants, Foundries, Incinerators, Propellant Plants, and Machine Shops that Process Beryllium Containing Material; and Rocket Motor Firing Test Sites.																	

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	CT1	CT2	HRSG 1	HRSG 2										Future Effective Date
Subpart																		
E	Mercury Ore Processing; Manufacturing Processes Using Mercury Chloralkali Cells; and Sludge Incinerators.																	
F	Ethylene Dichloride Mfg. Via Oxygen, HCl and Ethylene; Vinyl Chloride Mfg.; and Polyvinyl Chloride Mfg.																	
M	Asbestos Mills; Roadway Surfacing with Asbestos Tailings; Manufacture of Products Containing Asbestos; Demolition; Renovation; and Spraying and Disposal of Asbestos Waste.																	
SUBPART	NESHAPS (40 CFR 61)																	
B,Q,R, T,W,	Underground Uranium Mines; Dept. of Energy Facilities; Phosphorus Fertilizer Plants; & Facilities Processing or Disposing of Uranium Ore & Tailings.																	
H,I,K	Dept. of Energy; Nuclear Regulatory Commission Licensed Facilities; Other Federal Facilities; and Elemental Phosphorus Plants. (Radionuclide)																	
J,L,Y, BB,FF	Fugitive Process, Storage, and Transfer Equipment Leaks; Coke By-Product Recovery Plants; Benzene Storage Vessels; Benzene Transfer Operations; and Benzene Waste Operations.																	

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

N,O,P	Glass Manufacturer; Primary Copper Smelter; Arsenic Trioxide and Metallic Arsenic Production Facilities.																	
V	Pumps, Compressors, Pressure Relief Devices, Connections, Valves, Lines, Flanges, Product Accumulator Vessels, etc. in VHAP Service.																	
SUBPART	**MACT Standards (40 CFR 63)**																	
F,G, H,I	Amendment: Reopening, Averaging Issue																	
L	Coke Ovens																	
O	Ethylene Oxide Sterilizers																	
Q	Industrial Process Cooling Towers																	
R	Gasoline Distribution Facilities																	
RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	CT1	CT2	HRSG 1	HRSG 2										Future Effective Date
Subpart																		
T	Halogenated Solvent Cleaning Degreasing																	
X	Secondary Lead Smelters																	
Y	Marine Tank Loading/Unloading																	
CC	Petroleum Refineries																	
DD	Off-Site Waste and Recovery Operations																	
EE	Magnetic Tape																	
GG	Aerospace (Coatings)																	
II	Shipbuilding for Ship Repair (Surface Coating)																	
JJ	Wood Furniture Industry (Coatings)																	
KK	Printing and Publishing																	

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

AAAA	Municipal Solid Waste Landfills																	
DDDDD	Industrial, Commercial and Institutional Boilers and Process Heaters																	
MMMM	Surface Coating of Miscellaneous Metal Parts and Products																	
PPPP	Surface Coating of Plastic Parts																	
ZZZZ	Reciprocating Internal Combustion Engines			✓														
YYYY	Stationary Combustion Turbines				✓	✓												
	California Requirements Under 17 CCR Including Airborne Toxic Control Measures (ATCM)																	
§93102	Hexavalent Chromium from Chrome Plating and Chromic Acid Anodizing Operations (equivalency under CAA given at 40 CFR 63.99)																	
§93109	Perchloroethylene from Dry Cleaning Operations (equivalency under CAA given at 40 CFR 63.99)																	
§93115	Stationary Compression Ignition Engines																	
§93116	Diesel Particulate Matter from Portable Engines Rated ≥50 Horsepower																	
§§95460 – 95476 and Appx I	Methane Emissions from Municipal Solid Waste Landfills																	
	40 CFR Part 64 - Compliance Assurance Monitoring				✓	✓	✓	✓										
	40 CFR Part 68 Chemical Accident Prevention			✓														
	Title IV - Acid Rain (40 CFR 72 through 78)				✓	✓	✓	✓										
	Title VI-Ozone Depleting Compounds (40 CFR 82)																	
B	Servicing of Motor Vehicle Air Conditioners	B																
F	Servicing of Other Air Conditioners	F		✓														

Other Requirements Not Listed:

40 CFR 98, Subparts A and C, Mandatory GHG Reporting, Facility

40 CFR 70, Title 5 Permitting, Facility (SDAPCD Reg XIV)

40 CFR 52.21, PSD, Facility

Aux Boiler: the proposed Aux Boiler that was included in the initial T5 application was never installed, therefore it is not included in this renewal application.

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
LIST OF PERMITS BY EQUIPMENT CATEGORY (FORM 1401-H2)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS #
Facility Address: 606 De La Fuente Court, San Diego, CA. 92154	SITE ID #

PERMITTED EMISSION UNITS BY EQUIPMENT CATEGORY

In the emission unit (equipment) category order entered on Form 1401-H1, Applicable Requirements Summary Checklist, list emission units by permit number for the specific emission unit (equipment) category. Under the column labeled status place an "O" if operational, "N" if non-operational, or "S" if the equipment is new and currently operating under a startup authorization. **If more space is required, use additional forms. Please type or print legibly.**

Emission Unit Category	Application/ Permit No.	Status of Emission Unit
CT 1 / HRSG 1	APCD2011-PTO-000947	O
CT 2 / HRSG 2	APCD2011-PTO-000948	O

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Certification Statement (FORM 1401-I)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS #_____
Facility Address: 606 De La Fuente Court, San Diego, CA. 92154	SITE ID #_____

Under penalty of perjury, identify the following: (Read each statement carefully and check each box for confirmation.)

Applicable	Not Applicable	
X	☐	*Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will continue to comply with the applicable requirement with which the source is in compliance. The applicable requirement(s) with which the source(s) is/are not in compliance is/are identified in Form 1401-L, Schedule of Compliance.*
X	☐	*Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will comply with the future-effective applicable requirement(s) on a timely basis.*
☐	X	*Based on information and belief formed after reasonable inquiry, the source(s) identified in the Schedule of Compliance application form that is/are not in compliance with the applicable requirement(s), will comply in accordance with the attached compliance plan schedule.*
X	☐	*Based on information and belief formed after reasonable inquiry, information on application forms, referenced documents, all accompanying reports, and other required certifications are true, accurate, and complete.*
X	☐	*All fees required by Regulation III, Rule 40 have been paid.*

[redacted]
Signature of Responsible Official

12/13/18
Date

Dale Donmoyer
Print Name of Responsible Official

(619) 210-1207
Telepone No. of Responsible Official

General Plant Manager
Title of Responsible Official

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Compliance Certification Schedule (FORM 1401-K)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS #
Facility Address: 606 De La Fuenter Court, San Diego, CA. 92154	SITE ID #

In numerical order, list all sources that have federally enforceable requirements for compliance certification on a more frequent basis than once per year. **If more space is required, use additional forms. Please type or print legibly.**

Permit No.	Emission Unit Name	Applicable Requirements	Frequency
APCD2011-PTO-000947	CT 1/ HRSG 1	40 CFR 60.4395, 40 CFR 60.7	semi-annual
APCD2011-PTO-000948	CT 2 / HRSG 2	40 CFR 60.4395, 40 CFR 60.7	semi-annual

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Schedule of Compliance (FORM 1401-L)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS #
Facility Address: 606 De La Fuente Court, San Diego, CA. 92154	SITE ID #

SOURCES NOT IN COMPLIANCE

In numerical order, list all emission units by permit number that do not comply with a federally enforceable requirement. Describe how the source will achieve compliance. Propose a schedule to correct the deficiencies, and include a schedule for progress reports. Reports must be submitted at least every six months. If the source is operating under a judicial consent decree or administrative order, the Schedule of Compliance must be at least as stringent. **If more space is required, use additional forms. Please type or print legibly.**

Permit No.	Emission Unit Name	Applicable Requirements	Compliance Schedule Attachment
None	None	None	None

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Abatement Devices (FORM 1401-M)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS #
Facility Address: 606 De La Fuente Court, San Diego, CA. 92154	SITE ID #

LIST OF ABATEMENT DEVICES

In numerical order, list all abatement devices, the abatement device, name or description, and the emission unit or operation abated. **If more space is required, use additional forms. Please type or print legibly.**

Permit No(s)	Abatement Device Name or Description	Emission Unit(s) or Operation(s) Abated
000947 and 000948	Dry Low Nox Combustors	CT 1 and CT 2
000947 and 000948	Low NOx Burners	HRSG 1 and HRSG 2
000947 and 000948	Selective Catalytic Reduction	CT 1 AND CT 2 HRSG 1 AND HRSG 2
	Full permit #'s: APCD2011-PTO-000947 and APCD2011-PTO-000948	

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
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TITLE V APPLICATION
Alternative Operating Scenario (FORM 1401-N)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS #
Facility Address: 606 De La Fuente Court, San Diego, CA. 92154	SITE ID #

SCENARIO WITH EMISSION CHANGES

Give a title, a brief description, and an emission change. Attach calculations and detailed descriptions of each scenario to this form, using one form for each scenario. **Please type or print legibly**.

Operating Scenario # None proposed, see note below.

TITLE	
DESCRIPTION	
EMISSION CHANGE	

Attach all necessary calculations, detailed descriptions, and proposed terms and conditions to this form.

The current PTOs currently allow a wide range of operating scenarios, including startups and shutdowns, therefore no alternative operating scenarios are required to be defined.

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
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TITLE V APPLICATION
Multiple Applicable Requirements Streamlining (FORM 1401-O)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS #
Facility Address: 606 De La Fuente Court, San Diego, CA. 92154	SITE ID #

MULTIPLE APPLICABLE REQUIREMENTS STREAMLINING

If more space is required, use additional forms. Please type or print legibly.

Application No(s) Permit No(s)	Multiple Applicable Requirements	Streamlined Requirements	Attachment Number
None	None	None	None

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Permit Shield (FORM 1401-Q)

Company Name	District Use Only
Otay Mesa Energy Center, LLC	NEDS #
Facility Address: 606 De La Fuente Court, San Diego, CA. 92154	SITE ID #

REQUEST FOR PERMIT SHIELD

If more space is required, use additional forms. Please type or print legibly.

Application No(s) Permit No(s)	Requirements to be Shielded	Basis	Attachment Number
N/A	No permit shields are being applied for at this renewal.	N/A	N/A

Attachment A

Current Facility T5 Permit

San Diego County Air Pollution Control District

10124 Old Grove Road
San Diego, CA 92131-1649
(858) 586-2600

TITLE V OPERATING PERMIT
APCD2010-TVP-00025

Issued To:
Otay Mesa Energy Center, LLC
Site ID # APCD1999-SITE-10882

Site Address
606 De La Fuente Court
San Diego, CA 92154
(619) 210-1200

Mailing Address
606 De La Fuente Court
San Diego, CA 92154

Primary Responsible Official:	Scott Reynolds, Plant Manager
Alternate Responsible Official:	Shubhi Love, EHS Specialist
Facility Contact:	Scott Reynolds, Plant Manager
Permit Information Contact:	Shubhi Love, EHS Specialist

Issued by the San Diego County Air Pollution Control District on December 15, 2014.

This Title V Operating Permit expires on December 14, 2019.

Signed by: _____ Date: 12-15-2014
ROBERT J. KARD, Air Pollution Control Officer

TABLE OF CONTENTS

PREAMBLE

This Title V Operating Permit consists of this document and all appendices, including District permits incorporated by reference. The facility is subject to all applicable requirements identified within this permit, unless a specific permit shield is specified within this permit. If an applicable requirement is omitted from this permit, the facility is still obligated to comply with such an applicable requirement. The permittee must comply with all of the terms listed in each section of this permit.

This permit contains five major sections: Section I contains the Regulation XIV requirements required to carry out the Title V Operating Permit program. Section II contains the requirements that are applicable to the facility on a facility-wide basis. Section III contains the requirements that are applicable to individual emission units which have been issued District permits or District registration, or which have been determined to be insignificant emission units. Section IV contains terms and requirements pertaining to variance procedures and compliance schedules, if applicable to the facility. Section V contains three appendices. Appendix A contains all the District permits incorporated within this permit. Appendix B contains a table of all rules approved by the District, the rules contained in the State Implementation Plan (SIP), and federal rules that are potential applicable requirements. Appendix C contains a list of abbreviations and definitions used within this permit.

Copies of the Rules and Regulations of the Air Pollution Control District of San Diego County and the Rules and Regulations for San Diego County contained in the SIP approved by EPA may be obtained at the District. Copies are also available for review at the following locations:

SD Air Pollution Control District (Library & Public Review Area)	County of SD Law Library (Downtown)	County of SD Law Library (North County)
10124 Old Grove Rd.	1105 Front St.	325 S. Melrose Suite 300
San Diego, CA 92131	San Diego, CA 92101	Vista, CA 92083
(858) 586-2600	(619) 531-3900	(760) 940-4386

The current Rules and Regulations of the Air Pollution Control District of San Diego County may also be viewed and downloaded using the following internet address:

www.sdapcd.org/rules/current_rules.html

The following addresses should be used to submit any certifications, reports or other information required by this permit:

SD Air Pollution Control District	USEPA Region IX
Compliance Division	Director of the Air Division Attn: Air-3
10124 Old Grove Rd.	75 Hawthorne Street
San Diego, CA 92131	San Francisco, CA 94105

SECTION I. REGULATION XIV PERMIT REQUIREMENTS

A. ADMINISTRATIVE PERMIT TERMS

1. This Title V Operating Permit expires on (5 YEARS AFTER ISSUANCE). [Rule 1410]
2. Commencing or continuing operation under this permit to operate shall be deemed acceptance of all terms and conditions specified within this permit. This does not limit the right of the applicant to seek judicial review or seek federal EPA review of a permit term or condition. [Rule 1421]
3. This permit may be modified, revoked, reopened and reissued, or terminated by the District for cause. [Rule 1421]
4. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay the applicability of any permit condition. [Rule 1421]
5. This permit does not convey any property rights of any sort, nor any exclusive privilege. [Rule 1421]
6. The need for the permittee to halt or reduce a permitted activity in order to maintain compliance with any term or condition of this permit shall not be a defense for any enforcement action brought as a result of a violation of any such term or condition. [Rule 1421]
7. In the event of challenge to any portion of this permit, the rest of the permit remains valid. [Rule 1421]
8. For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any applicable requirement in this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [Rule 1421]

B. RENEWAL REQUIREMENTS AND TERMS

1. The permittee shall submit a complete application for renewal of this permit to the Air Pollution Control Officer no later than (4 YEARS AFTER ISSUANCE), and no earlier than (3.5 YEARS AFTER ISSUANCE). [Rule 1410]
2. If an administratively complete application for renewal of this permit has been submitted to the Air Pollution Control Officer within the dates specified in Section I.B.1., the terms and conditions of this permit shall remain in effect and the source may continue operations under these terms and conditions after (5 YEARS AFTER ISSUANCE), until the Air Pollution Control Officer issues or denies the permit renewal. [Rule 1410]

C. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

1. The permittee shall provide the District access to the facility and all equipment subject to this permit, and access to all required records pursuant to California Health and Safety Code Section 41510. [Rule 1421 (b)(2)(i)]
2. The permittee shall maintain all records required by this permit including any calibration, maintenance, and other supporting information and copies of all reports required by this permit for at least five years from their date of creation. Such records shall be maintained on-site for a minimum of three years. [Rule 1421(b)(1)(iii)]
3. The permittee shall submit monitoring and recordkeeping summary reports and all other monitoring and recordkeeping reports required by this permit to the District every six months, unless a shorter time frame is required by a specific permit condition contained in Section III of this permit. Unless other dates are specified in Section III, reports for data required to be collected from January 1 through June 30, shall be submitted no later than September 1 of the calendar year, and reports for data required to be collected from July 1 through December 31, shall be submitted no later than March 1 of the following calendar year. The report for the final six months of the year may be consolidated with the annual compliance certification required below. All instances of noncompliance from federally enforceable applicable requirements shall be clearly identified in these reports. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421 (a) and 1421 (b)(1)(iii)]
4. Each calendar year, the permittee shall submit to the District and to the federal EPA an annual compliance certification, in a manner and form approved in writing by the District, for the previous calendar year that includes the identification of each applicable term or condition of the final permit for which the compliance status is being certified, the compliance status and whether the facility was in continuous or intermittent compliance during the previous calendar year, identification of the method used to determine compliance during the previous calendar year, and any other information required by the District to determine the compliance status. The annual compliance certification for a calendar year shall be submitted no later than March 1 of the following calendar year and may be consolidated with the monitoring and recordkeeping report for the last six months of the year for which compliance is certified. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421(b)(2)(iii) and Rule 1421 (b)(2)(iv)]
5. Any report submitted to the District or federal EPA pursuant to this permit to comply with a federally enforceable applicable requirement, shall be certified by a responsible official stating that, based on information and belief formed after reasonable inquiry, the report is true, accurate and complete. [Rule 1421 (b)(2)(iv)]
6. The permittee shall make any trade secret designations of records, documents, or other information submitted to the District or federal EPA in accordance with District Rule 176. [Rule 176]

7. The permittee shall report all deviations from any and all federally enforceable permit terms and conditions including: (a) breakdowns, whether or not they result in excess emissions, (b) deviations that result in excess emissions of any regulated air pollutant, and (c) deviations from monitoring, recordkeeping, reporting and other administrative requirements that do not result in excess emissions. For deviations that result from breakdowns under District Rule 98, the permittee shall report the breakdown within two hours of detection of the breakdown and provide a follow-up written report after corrective actions have been taken. For deviations not due to a breakdown but which result in excess emissions, the permittee shall report the deviation within ten calendar days of detection. For all other deviations where no specific time frame for reporting a deviation applies, the permittee shall report the deviation at the time of the next semi-annual monitoring summary or annual compliance certification, whichever occurs first. If an underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, then the criteria for the applicable requirement shall apply. The report must include the probable cause of such deviations and any corrective actions or preventive measures taken. [Rule 1421]
8. If the source is not in compliance with any applicable requirement, the permittee shall provide a schedule of compliance and, at least every six months, submit a progress report which shall include the following:
   a. dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and the dates when such activities, milestones or compliance were achieved; and
   b. an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted. [Rule 1421 (b)(2)]

D. GENERAL PERMIT REQUIREMENTS

1. The permittee shall comply with all terms and conditions of this permit. This permit consists of this document and Appendices A, B, and C. Any noncompliance with the federally applicable terms and conditions of this permit shall constitute a violation of the federal Clean Air Act. Noncompliance with any federally applicable permit term or condition of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Noncompliance with any District permit term or condition is grounds for enforcement action by the District. [Rule 1421 (b)(1)(vi)]
2. Upon a written request by the District, the permittee shall furnish to the District any information needed to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit; any information required to determine compliance with this permit; or any records required to be maintained pursuant to this permit. Such information shall be provided within a reasonable time, as specified within the District's written request. [Rule 1421 (b)(1)(x)]
3. The permittee shall pay annual fees in accordance with District Rule 40. [Rule 1421(b)(1)(xi)]

4. The permittee shall provide access, facilities, utilities and any necessary safety equipment for source testing and inspection upon request of the District. [Rule 19]
5. This permit shall be maintained on-site at all times and be made available to the District upon request. [Rule 1410 (c)]
6. The Rule Reference Table provided in Appendix B shall be used to determine whether a cited rule is a federally and District enforceable requirement or a District only enforceable requirement. Any new or revised District rule shall not be considered federally enforceable until the rule is approved by EPA into the SIP. In cases where SIP approval is pending for a revised District rule, the rule citation shall refer to both the current SIP approved rule and the revised District rule. [Rule 1421]

SECTION II. FACILITY-WIDE REQUIREMENTS

A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS

The permittee shall comply with the applicable requirements specified in the Rules and Regulations cited below, unless specifically exempted by the same Rule or Regulation.

Regulation	Rule Citation	Title
SDCAPCD Reg. II	10	Permits Required
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. V	98	Breakdown Conditions: Emergency Variance
SDCAPCD Reg. VIII	131	Stationary Source Curtailment Plan
SDCAPCD Reg. VIII	132	Traffic Abatement Plan

B. GENERAL PROHIBITORY APPLICABLE REQUIREMENTS

The permittee shall comply with the generally applicable requirements specified in the Rules and Regulations cited below, unless specifically exempted by the same Rule or Regulation. These generally applicable requirements apply on a facility-wide basis to all permitted equipment, registered equipment, and insignificant activities. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more permitted emission units, the requirement is also included in Section III.A. of this permit.

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	50	Visible Emissions
SDCAPCD Reg. IV	51	Nuisance
SDCAPCD Reg. IV	67.0	Architectural coating
SDCAPCD Reg. IV	67.17	Storage Material coating
SDCAPCD Reg. IV	71	Abrasive Blasting
SDCAPCD Reg. IV	68	Oxides of nitrogen from fuel burning equipment
SDCAPCD Reg. IV	69.3	Stationary Gas Turbines - Reasonably Available Control Technology (RACT)

SDCAPCD Reg. IV	69.3.1	Stationary Gas Turbines - Best Available Retrofit Control Technology (BARCT)
SDCAPCD Reg. IV	69.4	Stationary Reciprocating Internal Combustion Engines – Reasonably Available Control Technology (RACT)
SDCAPCD Reg. IV	69.4.1	Stationary Reciprocating Internal Combustion Engines - Best Available Retrofit Control Technology (BARCT)
SDCAPCD Reg. VI	101	Burning Control
SDCAPCD Reg. X	Subpart A	NSPS- General Provision
SDCAPCD Reg. X	Subpart Db	NSPS-Standard of Performance for Industrial – Commercial – Institutional Steam Generating
SDCAPCD Reg. X	Subpart GG	NSPS-Standard of Performance for performance for Stationary Gas Turbines
SDCAPCD Reg. XI	Subpart A	NESHAP –General provisions
SDCAPCD Reg. XI	Subpart M, 361.145	Standard for Demolition and Renovation
SDCAPCD Reg. XI	Subpart M, 361.150	Standard for Waste Disposal for Manufacturing, Fabricating, Demolition, Renovation, and Spraying Operations
SDCAPCD Reg XIV		Title V
40 CFR 50		National Primary and Secondary Ambient Air Quality Standards
40 CFR 52.21		Prevention of Significant Deterioration
40 CFR 60	Subpart Db	NSPS-Standard of Performance for Industrial – Commercial – Institutional Steam Generating
40 CFR 60	Subpart GG	NSPS-Standard of Performance for performance for Stationary Gas Turbines
40 CFR Part 63	Subpart YYYY	NESHAP for Stationary Combustion Turbines
40 CFR Part 63	Subpart ZZZZ	NESHAP for Stationary Internal Combustion Engines
40 CFR Part 64		Compliance Assurance Monitoring (CAM)
40 CFR Part 68		Risk Management Program (RMP)
40 CFR 70		Title V
40 CFR Part 72	Subpart A	Acid Rain Program
40 CFR Part 72	Subpart C	Acid Rain Permit Application
40 CFR Part 73		Sulfur Dioxide Allowance System
40 CFR Part 75		Continuous Emission Monitoring
40 CFR Part 82	Subpart F	Recycling and Emissions Reduction
40 CFR Part 98	Subpart A	General Provision
40 CFR Part 98	Subpart C	Mandatory greenhouse reporting

C. PERMIT SHIELDS

The applicant has not requested any permit shields from any rules.

D. TITLE IV (ACID RAIN) REQUIREMENTS

1. The permittee shall not exceed any emission allowances that are lawfully held under Title IV of the federal Clean Air Act or the regulations promulgated there under. [1421]
2. The permittee shall install, operate and maintain equipment for the continuous monitoring of CO_2 and NOx on the common stack in accordance in accordance with 40 CFR Parts 72 and 75 [40 CFR Parts 72 and 75]
3. The permittee shall prepare and maintain onsite a written Quality Assurance program in accordance with 40 CFR part 75, Appendix B, for the continuous monitoring of NOx emissions from the common stack. The components of the Quality Assurance program include, but are not limited to, procedures for daily calibration testing, quarterly linearity testing, recordkeeping and reporting implementation, and relative accuracy testing. [40 CFR Parts 72 and 75]
4. The permit holder shall monitor SO_2 emissions in accordance with 40 CFR Part 72 and 75. [40 CFR parts 72 and 75]
5. The permit holder shall submit quarterly Electronic Data Reports (EDRs) to EPA for the emissions from the common stack in accordance with 40 CFR Part 75. These reports must be submitted within 30 days following the end of each calendar quarter and shall include all information required in §75.64 (40CFR Part 75)

E. ADDITIONAL TERMS

1. Any emission unit described in this Title V operating permit as being fired on natural gas, shall only use Public Utility Commission (PUC)-quality natural gas, unless the emission unit permit specifies otherwise. [Rule(s) 53, 62]
2. Records required by this permit shall be considered as being maintained "on-site" if records for the previous 12-month period are available at the stationary source and any additional records are maintained at the Otay Mesa Energy Center located at 606 De La Fuente Court, San Diego, CA, 92154, and made readily available to the District upon request. [Rule 21]
3. The Permittee shall file quarterly emission reports in accordance with Rule 19.2. [Rule 19.2]

SECTION III. EMISSION UNIT REQUIREMENTS

A. DISTRICT PERMITTED EMISSION UNITS

The District Permits listed below and attached in Appendix A, including all terms and conditions of such permits, constitute the emission unit portion of this Title V Operating Permit document.

Permit Number	Permit Description
APCD2011-PTO-000947	Power Station #1
APCD2011-PTO-000948	Power Station #2

B. REQUIREMENTS FOR STATIONARY TURBINES

The stationary turbines are subject to 40 CFR Subpart GG – Standards of Performance for Stationary Gas Turbines. Applicable requirements include, but may not be limited to, the following:

1. The emissions of oxides of nitrogen (NOx) from each turbine, calculated as nitrogen dioxide, shall not exceed 110 parts per million volume on a dry basis (ppmvd) corrected to 15% oxygen. This limit shall apply at all times, including periods of startup and shutdown. Compliance with this limit shall be based on CEMS data for each unit as averaged in accordance with 40 CFR Subpart GG Subsection 60.334(j)(iii)(A).
2. Excess emissions as defined in 40 CFR 60 Subpart GG Subsection 60.334, shall be reported pursuant for all periods of unit operation, including startup, shutdown, and malfunction in accordance with 40 CFR 60 Subpart A Subsection 60.7(c). These reports shall be postmarked by the 30th day following the end of each calendar 6-month period.

C. REGISTERED AND LEASED EMISSION UNITS

The permittee shall comply with the source specific applicable requirements specified in the Rules and Regulations for all registered and leased emission units, unless specifically exempted by the same Rule or Regulations. Note that no registered or leased units were listed in the application.

D. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES

The permittee shall comply with the source specific applicable requirements specified in the Rules and Regulations for all emission units not required to obtain a District Permit to Operate pursuant to Rule 11, unless specifically exempted by the same Rule or Regulations. Note that no insignificant units were listed in the application.

SECTION IV. VARIANCE PROCEDURES & COMPLIANCE SCHEDULES

A. VARIANCE PROCEDURES

The permittee may seek relief from District enforcement action in the event of a breakdown in accordance with District Rule 98. Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance does not provide relief from federal enforcement or citizen's suits. [Rule 98]

B. COMPLIANCE SCHEDULES

Not applicable to this source.

SECTION V. APPENDICES

APPENDIX A: DISTRICT PERMITS (Attached)

Permit Numbers	Source Category
APCD2011-PTO-000947	Power Station #1
APCD2011-PTO-000948	Power Station #2

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131
PHONE (858) 586-2600 FAX (858) 586-2601
www.sdapcd.org

Sectors: 5, R
Site ID: APCD1999-SITE-10882
App ID: APCD2012-APP-002154

PERMIT ID
APCD2011-PTO-000947

Otay Mesa Energy Center LLC
Shubhi Love
606 De La Fuente Ct
San Diego CA, 92154

EQUIPMENT ADDRESS
Otay Mesa Energy Center LLC
Shubhi Love
606 De La Fuente Ct
San Diego CA 92154

PERMIT TO OPERATE

EXPIRES: December 14, 2019

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT DESCRIPTION

Power Station #1 consisting of: one Gas Turbine (171.7 MW nominal): General Electric, Model 7FA, S/N 298093, with DLN 2.6 low-NOx burners, natural gas fired, 1767.8 MMBtu/hr nominal heat input (HHV), with a heat recovery steam generator (HRSG) with a 388.1 MMBtu/hr duct burner, Nooter-Eriksen, vented to a selective catalytic reduction (SCR) system, equipped with a continuous emission monitoring system (CEMS); common to both power stations are a steam turbine generator (277 MW nominal), Siemans-Westinghouse, Model KN; two air-cooled condensers, GEA, 295'L x 123'W x 76'H; a wet surface air cooler, Niagara Blower Co., Model RWC 48240-2F16; equipped with GE OpFlex control system software.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [92R] VOC Lab Analysis (T&M)
1 [92F] NOx and CO Source Test
1 [92A] Particulate Matter Source Test
1 [20F] Non- Aircraft Turbine Engine
1 [92I] Ammonia Source Test

BEC: APCD2011-CON-000277

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be properly maintained and kept in good operating condition at all times.
3. The unit shall be fired on Public Utility Commission (PUC) quality natural gas only. The permittee shall maintain quarterly records of sulfur content (grains/100 dscf) and higher and lower heating values (Btu/dscf) of the natural gas and provide such records to the District personnel upon request. [Rule 62; 40 CFR 60 Subpart GG]
4. The permittee shall comply with all the applicable provisions of 40 CFR 73, including requirements to offset, hold and retire SO2 allowances. (40 CFR Part 73)

5. The emissions of any single federal hazardous air pollutant (HAP) shall not equal or exceed 10 tons, and the aggregate of all federal HAPs, shall not equal or exceed 25 tons in any rolling 12 calendar month period. Compliance with the HAP limits shall be based on a surrogate VOC/HAP correlation factor determined during initial source testing If emissions exceed these limits, the permittee shall apply to amend this permit to reflect applicable Federal Maximum Achievable Control Technology (MACT) standards and requirements in accordance with applicable provisions (including timing requirements) of 40 CFR 63. [40 CFR 63]

6. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.

9. The total aggregate annual emissions from all emission units at the stationary source shall not exceed 100 tons of oxides of nitrogen (NOx), calculated as nitrogen dioxide, and shall not exceed 316 tons of carbon monoxide (CO) for each consecutive 12-calendar month period. The NOx and CO emissions shall begin accruing at the initial firing of each turbine. Compliance with this limit shall be verified using the CEMS system on each gas turbine as well as EPA- or ARB-certified NOx emissions factors, testing results, or other representative emissions information for all other combustion equipment. [Rule 20.3]

10. The total aggregate emissions of volatile organic compounds (VOC) from all emission units at the stationary source shall not exceed 47.5 tons for each consecutive 12-calendar month period. The VOC emissions shall begin accruing at the initial firing of each piece of equipment. Compliance shall be verified using testing results, EPA- or ARB-certified VOC emissions factors, and/or other representative emissions information for all other combustion equipment. [Rule 20.3]

11. The emissions of oxides of nitrogen (NOx) from each turbine, calculated as nitrogen dioxide, shall not exceed 2.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be based on CEMS data for each unit and averaged over each 1-hour period, excluding time when the equipment is operated under startup or shutdown conditions and time that the equipment is not in operation. Compliance with this limit shall also be verified through annual source testing. This limit shall not apply to the first fifteen 1-hour average NOx emissions measurements above 2.0 ppmvd corrected to 15% oxygen in any rolling 12-month period for each gas turbine provided the following requirements are met:
    a. this equipment operates under any one of the following:
    i) Rapid combustion turbine load changes due to the following conditions:
    A) Load changes initiated by the California Independent Systems Operator (ISO) or a successor entity when the plant is operating under Automatic Generation Control; or
    B) Activation of a plant automatic safety or equipment protection system which rapidly decreases turbine load
    ii) The first two 1-hour reporting periods following the initiation or shutdown of a system injection pump
    iii) The first two 1-hour reporting periods following the initiation of HRSG duct burners
    iv) Events as the result of technological limitation identified by the operator and approved in writing by the District.
    b. the 1-hour average NOx emissions above 2.0 ppmvd corrected to 15% oxygen did not occur as a result of operator neglect, improper operation or maintenance, and is a qualified breakdown under District Rule 98.
    c. the qualified operating conditions described in (a) above are recorded in the plant's operating log within 24 hours of the event. The notations in the log shall describe the data and time of entry into the log and the plant operating conditions responsible for NOx emissions exceeding the 2.0 ppmvd 1-hour average limit.
    d. the 1-hour average NOx concentration for periods that result from a qualified operating condition described in (a) above does not exceed 25 ppmvd corrected to 15% oxygen.
    All NOx emissions during these events shall be included in all calculations of hourly, daily, and annual mass emission rates as required by this Permit to Operate. [Rule 20.3]

12. The emissions of oxides of nitrogen (NOx) from each turbine, calculated as nitrogen dioxide, shall not exceed 110 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. This limit shall apply at all times, including periods of startup and shutdown. Compliance with this limit shall be based on CEMS data for each unit as averaged in accordance with 40 CFR 60 Subpart GG Subsection 60.334. [40 CFR 60 Subpart GG]

13. Excess emissions, as defined in 40 CFR 60 Subpart GG Subsection 60.334, shall be reported pursuant for all periods of unit operation, including startup, shutdown, and malfunction in accordance with 40 CFR 60 Subpart A Subsection 60.7(c). These reports shall be postmarked by the 30th day following the end of each calendar 6-month period unless more frequent reporting is required in accordance with 40 CFR 60 Subpart A Subsection 60.7(c). These reports shall be submitted to the District's Compliance Division. [40 CFR 60 Subpart GG]

14. The emissions of carbon monoxide (CO) from each turbine shall not exceed 6.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with these limits shall be based on CEMS data for each unit and averaged over each continuous 3-hour period, excluding time when the equipment is operated under startup or shutdown conditions and time that the equipment is not in operation. Compliance with this limit shall also be verified annual source testing. [Rule 20.3]

15. The emissions of volatile organic compounds (VOC) from each turbine, calculated as methane, shall not exceed 2.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be based on CO CEMS data for each unit, averaged over each 1-hour period, excluding time when the equipment is operated under startup or shutdown conditions and time that the equipment is not in operation, and the District approved CO/VOC surrogate relationship. The CO/VOC surrogate relationship shall be verified and/or modified, if necessary, based on annual source testing. [Rule 20.3]

16. When operated with the duct burner at or below 38.8 MMBtu/hr heat input, the emissions from each turbine shall not exceed the following emission limits, except during startup or shutdown conditions, as determined by the Continuous Emissions Monitoring System (CEMS), the District approved CO/VOC surrogate relationship, and/or District approved emission source testing. Compliance with the NOx and CO limits shall be based on a continuous 3-hour averaging period and compliance with the VOC limit shall be based on a 1-hour averaging period.

Pollutant	Emission Limit, lbs/hr
Oxides of Nitrogen, NOx (calculated as NO2)	13.14
Carbon Monoxide, CO	24.0
Volatile Organic Compounds, VOC	4.58

[Rule 20.3]

17. When operated with the duct burner above 38.8 MMBtu/hr heat input, the emissions from this equipment shall not exceed the following emission limits, except during startup or shutdown conditions, as determined by the Continuous Emissions Monitoring System (CEMS), the District approved CO/VOC surrogate relationship, and/or District approved emission source testing. Compliance with the NOx and CO limits shall be based on a continuous 3-hour averaging period and compliance with the VOC limit shall be based on a 1-hour averaging period.

Pollutant	Emission Limit, lbs/hr
Oxides of Nitrogen, NOx (calculated as NO2)	15.95
Carbon Monoxide, CO	29.13
Volatile Organic Compounds, VOC	5.56

[Rule 20.3]

18. The emissions of particulate matter less than 10 microns (PM10) from each turbine shall not exceed 9.0 lbs/hr when operated with the duct burner at or below 38.8 MMBtu/hr heat input and shall not exceed 11.5 lbs/hr from each turbine when operated with the duct burner above 38.8 MMBtu/hr. Compliance with this limit shall be based on annual source testing (only with the duct burner operating in accordance with Condition 37). [Rule 20.3]

19. Except during startups and shutdowns, the emissions of ammonia (slippage) from each gas turbine exhaust stack shall not exceed 10.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen and averaged over a 1-hour period. Compliance with this limit shall be based on a District approved calculation methodology and verified during annual source testing. [Rule 1200]

20. Fuel consumption by the duct burners for both turbines shall not exceed 3,881,000 MMBtu (HHV) per rolling 12-month period. Whenever the duct burners are in operation, the CEMS shall record the dates and fuel consumption for each duct burner. The CEMS shall also record the total duct burner fuel usage for each rolling 12-month period (in MMBtu). The applicant shall maintain a log that contains, at a minimum, the dates and fuel usage when one or both turbines are operated with duct firing. These records shall be maintained on site for a minimum of five years and made available to District personnel upon request. [Rule 20.3]

21. When operated under startup conditions, the emissions from each turbine shall not exceed the following emission limits, averaged over each 1-hour period, as determined by the Continuous Emissions Monitoring System (CEMS), the District approved CO/VOC surrogate relationship, and continuous monitors and/or District approved emission source testing:

Pollutant	Emission Limit, lbs/hr
Oxides of Nitrogen, NOx (calculated as NO2)	240.0
Carbon Monoxide, CO	2706
Volatile Organic Compounds, VOC	48.0

[Rule 20.3]

22. When operated under startup or shutdown conditions, the emissions from each turbine shall not exceed the following emission limits, totaled per event, as determined by the Continuous Emissions Monitoring System (CEMS), the District approved CO/VOC surrogate relationship, and continuous monitors and/or District approved emission source testing:

Pollutant (during startups)	Emission Limit, lbs/ event
Oxides of Nitrogen, NOx (calculated as NO2)	480
Carbon Monoxide, CO	5412
Volatile Organic Compounds, VOC	96

Pollutant (during shutdowns)	Emission Limit, lbs/ event
Oxides of Nitrogen, NOx (calculated as NO2)	80
Carbon Monoxide, CO	902
Volatile Organic Compounds, VOC	16

[Rule 20.3]

23. Startup for each gas turbine shall be defined as the period beginning with the introduction of fuel to the combustion turbine following a non-operational period and ending after the lesser of either 360 minutes of continuous of fuel flow or when the CEMS records ten consecutive one-minute data points in compliance with the emission concentration limits of Conditions 11, 14, and 19 for the gas turbine. Excluding extended startups and the first 120 minutes of all other startups, the gas turbines shall comply with a NOx emission concentration limit of 11.8 ppmvd corrected to 15% oxygen. Compliance with this limit shall be based on CEMS data averaged over each one-hour period. For the purposes of this Permit to Operate, an extended startup shall be defined as the time during any startup when the steam turbine inner casing temperature is less than or equal to 500 °F. [Rules 20.3, 69.3.1]

24. During startups, including extended startups as defined in Condition 23, excluding the first 120 minutes of the startup, NOx emissions from the gas turbine shall not exceed 42 ppm corrected to 15% oxygen. Compliance with this limit shall be based on CEMS data averaged over each one-hour period. [Rule 69.3]

25. Shutdown for each gas turbine shall be defined as the 60-minute period preceding the termination of fuel flow to the gas turbine. [Rules 20.3, 69.3.1]

26. Both gas turbines shall not be operated simultaneously in startup mode. [Rule 20.3]

27. For purposes of determining compliance based on source testing, the average of three subtests shall be used. For purposes of determining compliance with emission limits based on the CEMS, data collected in accordance with the CEMS protocol shall be used and averaging periods shall be as specified herein. [40 CFR 75]

28. For each emission limit expressed as pounds per hour or parts per million based on a 1-hour averaging period, compliance shall be based on each 1-clock hour period using data collected at least once every 15 minutes when compliance is based on continuous emissions monitoring data. A valid clock hour shall be defined as one that includes at least 16 minutes of valid 1-minute data or includes a data point from at least two different quadrants that are spaced at least 15 minutes apart. A duct burner clock hour shall be defined as a valid clock hour in which the duct burner heat input exceeds 38.8 MMBtu/hr. [40 CFR 75]
29. For each emission limit expressed as pounds per hour or parts per million based on a 3-hour averaging period, compliance shall be based on rolling 3-clock hour period, not including startup and shutdown periods, using data collected at least once every 15 minutes when compliance is based on continuous emissions monitoring data. [40 CFR 75]
30. The Oxides of Nitrogen (NOx) and Oxygen (O2) CEMs shall be certified and maintained in accordance with applicable Federal Regulations including the requirements of: -Sections 75.10 and 75.12 of Title 40 -Code of Federal Regulations Part 75 (40 CFR 75) -the performance specifications of Appendix A of 40 CFR 75 -the quality assurance procedures of Appendix B of 40 CFR 75 -the CEMs protocol approved by the District. The Carbon Monoxide (CO) CEMS shall be certified and maintained in accordance with 40 CFR 60. (40 CFR Part 75, 40 CFR Part 60), and a CEMS protocol approved by the District, unless otherwise specified in this permit. [40 CFR 60; 40 CFR 75]
31. When the CEMS is not recording data and the unit is operating, hourly NOx emissions shall be determined in accordance with 40 CFR 75 Appendix C. Additionally, hourly CO emissions for the annual emission calculations shall be determined using the hourly emission rate recorded by the CEMS during the most recent hours in which the unit operated 3 continuous hours at no less than 80% of full power rating of each power station, either with or without duct firing. [40 CFR 60; 40 CFR 75]
32. Any violation of any emission standard as indicated by the CEMS shall be reported to the District's Compliance Division within 96 hours after such occurrence. [40 CFR 75]
33. The CEMs shall be maintained and operated, and reports submitted, in accordance with the requirements of Rule 19.2 Sections (D), (E), (F)(2), (F)(3), (F)(4) and (F)(5) and CEMs Protocol approved by the District. [Rule 19.2]
34. The District shall be notified at least two weeks prior to any changes made in CEMS software that affect the measurement, calculation or correction of data displayed and/or recorded by the CEMS. [40 CFR 75]
35. Operating logs or Data Acquisition System (DAS) records shall be maintained to record the following:
    a. dates of all startups and shutdowns;
    b. beginning and end times, to the nearest minute, of all startups and shutdowns;
    c. fuel usage, in standard cubic feet, for each clock hour, calendar month, and 12-calendar month period;
    d. hours of daily operation; and
    e. total cumulative hours per calendar year.
    [Rules 20.3, 69.3.1]
36. Continuous monitors shall be installed on each turbine to monitor or calculate and record the following:
    a. gas turbine natural gas flow rate (scfh),
    b. duct burner natural gas flow rate (scfh),
    c. gas turbine heat input rate (MMBtu/hr), HHV,
    d. duct burner heat input rate (MMBtu/hr), HHV,
    e. ammonia stack concentration (ppmvd, corrected to 15% oxygen),
    f. ammonia injection rate (lbs/hr),
    g. steam turbine inner casing temperature (°F),
    h. SCR inlet temperature (°F),
    i. exhaust gas temperature (°F), and
    j. power output (gross MW).
    The monitors shall be installed, calibrated, and maintained in accordance with an approved protocol. The monitors shall be in full operation at all times when the turbine is in operation. [Rule 69.3.1]

37. The applicant shall maintain records, at least on a calendar monthly basis, of total aggregate mass emissions of NOx, CO and VOC, in tons per year, from all emission units, at this stationary source for the previous 12-calendar month period. These records shall be made available for inspection within 30 calendar days after the end of each calendar month. [Rule 20.3]

38. All records required by this written permit shall be maintained on site for a minimum of five years and made available to the District upon request. [Rules 20.3, 69.3.1, 1421(b)]

39. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards specified in Conditions 11, 14, 15, 17, 18, and 19 of this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year. If this testing will be performed by someone other than the District, a source test protocol shall be submitted to the District for written approval at least 60 days prior to source testing. The source test protocol shall comply with the following requirements:
a. Measurements of oxides of nitrogen (NOx), carbon monoxide (CO), and stack gas oxygen content (O2) shall be conducted in accordance with U.S. Environmental Protection Agency (EPA) Methods 7E, 10 and 3A, respectively, and the San Diego Air Pollution Control District Method 100, or alternative methods approved by the District and the EPA.
b. Measurements of particulate matter less than 10 microns shall be conducted in accordance with the U.S. Environmental Protection Agency (EPA) Methods 201A and 202, or alternative methods approved by the District and the EPA.
c. Measurements of volatile organic compounds (VOC) shall be conducted in accordance with San Diego Air Pollution Control District Methods 18 and/or 25A, or alternative methods approved by the District and the EPA.
d. Measurements of ammonia emissions shall be conducted in accordance with Bay Area Air Quality Management District (BAAQMD) Method ST-1B, or alternative methods approved by the District and the EPA.
e. Source testing shall be performed only with both the combustion turbine and duct burner in operation. The duct burner shall be operated at not less than 80% of the rated heat input unless it is demonstrated to the satisfaction of the District that the unit cannot operate under these conditions. If the demonstration is accepted, then the emissions source testing shall be performed at the highest achievable continuous heat input.
f. Source testing shall be performed at not less than 80% of the unit's rated load unless it is demonstrated to the satisfaction of the District that the unit cannot operate under these conditions. If the demonstration is accepted, then emissions source testing shall be performed at the highest achievable continuous power level.
g. The following additional operating characteristics shall also be measured or calculated and recorded:
gas turbine natural gas flow rate (scfh),
duct burner natural gas flow rate (scfh),
fuel higher heating value (Btu/scf),
gas turbine heat input rate (MMBtu/hr),
duct burner heat input rate (MMBtu/hr),
ammonia injection rate (lbs/hr),
SCR inlet temperature (°F),
exhaust gas temperature (°F),
power output (gross MW).

[Rules 20.3, 69.3.1; 40 CFR 60 Subpart GG]

40. A Relative Accuracy Test Audit (RATA) and all other required certification tests shall be performed and completed on the CEMS in accordance with applicable provisions of 40 CFR part 75 Appendix A and B performance specifications. At least 30 days prior to the test date, the permittee shall submit a test protocol to the District for approval. Additionally, the District shall be notified a minimum of 21 days prior to the test so that observers may be present. [40 CFR 75]

41. Within 45 days after completion of the renewal source test or RATA, a final test report shall be submitted to the District for review and approval. [40 CFR 75]

42. Beginning with the start of the ongoing emission reduction monitoring period as defined in "Alternative Mobile Source Emission Reduction Program for Replacing Heavy and Medium Heavy-Duty Diesel Powered Vehicles and Repowering of Marine Vessels Under Rule 27 (c)(1)(vi)" as approved on September 8, 2000 (herein referred to as the Alternative MERC Program), the owner or operator shall, on or before the last day of the second calendar month following the end of each ongoing emission reduction monitoring year:
a. for each ongoing emission reduction monitoring year, based on the quarterly activity levels submitted by the mobile source owners and the applicable calculation method specified in the Alternative MERC Program, perform a calculation of the annual average and annual aggregate ongoing emission reductions and the ongoing emission reduction deficit, if any, for the MERCs surrendered to offset the facility's emissions;
b. provide an annual report to the District that summarizes the annual average ongoing emission reductions for each MERC, aggregate ongoing emission reductions, and the ongoing emission reduction deficit, if any, and provides supporting calculations and documentation; and
c. if the calculated annual ongoing emission reduction deficit is positive, notify the District, provide a compliance schedule to correct the ongoing emission reduction deficit, and correct the ongoing emission reduction deficit in accordance with Subsection (h)(4) of the Alternative MERC Program. [Rule 27.1]

43. Beginning with the second calendar year following the calendar year that the facility commences operations, the owner or operator shall, on or before March 1 of each calendar year:
a. based on information supplied by the mobile source owners for each MERC surrendered to the District, notify the District if the MERC fractional employment is less than 0.8;
b. based on information supplied by the mobile source owners for each MERC surrendered to the District, notify the District if the MERC fractional employment in primary service is less than 0.8; and
c. if one or more MERCs fractional employment or fractional employment in primary service is less than 0.8, provide a compliance schedule to correct any MERC shortfall and correct any MERC shortfall in accordance with Subsection (j)(4) of the Alternative MERC Program.
[Rule 27.1]

44. On or before the expiration date, if any, of a MERC surrendered to offset the NOx emissions from this facility, additional Class A emission reduction credits equivalent to the expiring MERC shall be surrendered to the District to offset project emissions unless project emissions are reduced such that the emissions of oxides of nitrogen (NOx) shall not exceed 1.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be based on CEMS data for each unit and averaged over each 3-hour period, excluding hours when the equipment is operated under any startup condition. If the project NOx emissions limit is reduced to 1.0 ppm, the total annual emissions of oxides of nitrogen (NOx), calculated as nitrogen dioxide, shall not exceed 50 tons per rolling 12-month period. Compliance with this limit shall be verified using the CEMS system on each gas turbine. [Rule 27.1]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

7. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

8. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131
PHONE (858) 586-2600 FAX (858) 586-2601
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Sectors: 5, R
Site ID: APCD1999-SITE-10882
App ID: APCD2012-APP-002154

PERMIT ID
APCD2011-PTO-000948

Otay Mesa Energy Center LLC
Shubhi Love
606 De La Fuente Ct
San Diego CA, 92154

EQUIPMENT ADDRESS
Otay Mesa Energy Center LLC
Shubhi Love
606 De La Fuente Ct
San Diego CA 92154

PERMIT TO OPERATE

EXPIRES: December 14, 2019

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT DESCRIPTION

Power Station #2 consisting of: one Gas Turbine (171.7 MW nominal): General Electric, Model 7FA, S/N 298094, with DLN 2.6 low-NOx burners, natural gas fired, 1767.8 MMBtu/hr nominal heat input (HHV), with a heat recovery steam generator (HRSG) with a 388.1 MMBtu/hr duct burner, Nooter-Eriksen, vented to a selective catalytic reduction (SCR) system, equipped with a continuous emission monitoring system (CEMS); common to both power stations are a steam turbine generator (277 MW nominal), Siemans-Westinghouse, Model KN; two air-cooled condensers, GEA, 295'L x 123'W x 76'H; a wet surface air cooler, Niagara Blower Co., Model RWC 48240-2F16; equipped with GE OpFlex control system software.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [92R] VOC Lab Analysis (T&M)
1 [92F] NOx and CO Source Test
1 [92A] Particulate Matter Source Test
1 [20F] Non- Aircraft Turbine Engine
1 [92I] Ammonia Source Test

BEC: APCD2011-CON-000277

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be properly maintained and kept in good operating condition at all times.
3. The unit shall be fired on Public Utility Commission (PUC) quality natural gas only. The permittee shall maintain quarterly records of sulfur content (grains/100 dscf) and higher and lower heating values (Btu/dscf) of the natural gas and provide such records to the District personnel upon request. [Rule 62; 40 CFR 60 Subpart GG]
4. The permittee shall comply with all the applicable provisions of 40 CFR 73, including requirements to offset, hold and retire SO2 allowances. (40 CFR Part 73)

5. The emissions of any single federal hazardous air pollutant (HAP) shall not equal or exceed 10 tons, and the aggregate of all federal HAPs, shall not equal or exceed 25 tons in any rolling 12 calendar month period. Compliance with the HAP limits shall be based on a surrogate VOC/HAP correlation factor determined during initial source testing If emissions exceed these limits, the permittee shall apply to amend this permit to reflect applicable Federal Maximum Achievable Control Technology (MACT) standards and requirements in accordance with applicable provisions (including timing requirements) of 40 CFR 63. [40 CFR 63]

6. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.

9. The total aggregate annual emissions from all emission units at the stationary source shall not exceed 100 tons of oxides of nitrogen (NOx), calculated as nitrogen dioxide, and shall not exceed 316 tons of carbon monoxide (CO) for each consecutive 12-calendar month period. The NOx and CO emissions shall begin accruing at the initial firing of each turbine. Compliance with this limit shall be verified using the CEMS system on each gas turbine as well as EPA- or ARB-certified NOx emissions factors, testing results, or other representative emissions information for all other combustion equipment. [Rule 20.3]

10. The total aggregate emissions of volatile organic compounds (VOC) from all emission units at the stationary source shall not exceed 47.5 tons for each consecutive 12-calendar month period. The VOC emissions shall begin accruing at the initial firing of each piece of equipment. Compliance shall be verified using testing results, EPA- or ARB-certified VOC emissions factors, and/or other representative emissions information for all other combustion equipment. [Rule 20.3]

11. The emissions of oxides of nitrogen (NOx) from each turbine, calculated as nitrogen dioxide, shall not exceed 2.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be based on CEMS data for each unit and averaged over each 1-hour period, excluding time when the equipment is operated under startup or shutdown conditions and time that the equipment is not in operation. Compliance with this limit shall also be verified through annual source testing. This limit shall not apply to the first fifteen 1-hour average NOx emissions measurements above 2.0 ppmvd corrected to 15% oxygen in any rolling 12-month period for each gas turbine provided the following requirements are met:
a. this equipment operates under any one of the following:
i) Rapid combustion turbine load changes due to the following conditions:
A) Load changes initiated by the California Independent Systems Operator (ISO) or a successor entity when the plant is operating under Automatic Generation Control; or
B) Activation of a plant automatic safety or equipment protection system which rapidly decreases turbine load
ii) The first two 1-hour reporting periods following the initiation or shutdown of a system injection pump
iii) The first two 1-hour reporting periods following the initiation of HRSG duct burners
iv) Events as the result of technological limitation identified by the operator and approved in writing by the District.
b. the 1-hour average NOx emissions above 2.0 ppmvd corrected to 15% oxygen did not occur as a result of operator neglect, improper operation or maintenance, and is a qualified breakdown under District Rule 98.
c. the qualified operating conditions described in (a) above are recorded in the plant's operating log within 24 hours of the event. The notations in the log shall describe the data and time of entry into the log and the plant operating conditions responsible for NOx emissions exceeding the 2.0 ppmvd 1-hour average limit.
d. the 1-hour average NOx concentration for periods that result from a qualified operating condition described in (a) above does not exceed 25 ppmvd corrected to 15% oxygen.
All NOx emissions during these events shall be included in all calculations of hourly, daily, and annual mass emission rates as required by this Permit to Operate. [Rule 20.3]

12. The emissions of oxides of nitrogen (NOx) from each turbine, calculated as nitrogen dioxide, shall not exceed 110 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. This limit shall apply at all times, including periods of startup and shutdown. Compliance with this limit shall be based on CEMS data for each unit as averaged in accordance with 40 CFR 60 Subpart GG Subsection 60.334. [40 CFR 60 Subpart GG]

13. Excess emissions, as defined in 40 CFR 60 Subpart GG Subsection 60.334, shall be reported pursuant for all periods of unit operation, including startup, shutdown, and malfunction in accordance with 40 CFR 60 Subpart A Subsection 60.7(c). These reports shall be postmarked by the 30th day following the end of each calendar 6-month period unless more frequent reporting is required in accordance with 40 CFR 60 Subpart A Subsection 60.7(c). These reports shall be submitted to the District's Compliance Division. [40 CFR 60 Subpart GG]

14. The emissions of carbon monoxide (CO) from each turbine shall not exceed 6.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with these limits shall be based on CEMS data for each unit and averaged over each continuous 3-hour period, excluding time when the equipment is operated under startup or shutdown conditions and time that the equipment is not in operation. Compliance with this limit shall also be verified annual source testing. [Rule 20.3]

15. The emissions of volatile organic compounds (VOC) from each turbine, calculated as methane, shall not exceed 2.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be based on CO CEMS data for each unit, averaged over each 1-hour period, excluding time when the equipment is operated under startup or shutdown conditions and time that the equipment is not in operation, and the District approved CO/VOC surrogate relationship. The CO/VOC surrogate relationship shall be verified and/or modified, if necessary, based on annual source testing. [Rule 20.3]

16. When operated with the duct burner at or below 38.8 MMBtu/hr heat input, the emissions from each turbine shall not exceed the following emission limits, except during startup or shutdown conditions, as determined by the Continuous Emissions Monitoring System (CEMS), the District approved CO/VOC surrogate relationship, and/or District approved emission source testing. Compliance with the NOx and CO limits shall be based on a continuous 3-hour averaging period and compliance with the VOC limit shall be based on a 1-hour averaging period.

Pollutant	Emission Limit, lbs/hr
Oxides of Nitrogen, NOx (calculated as NO2)	13.14
Carbon Monoxide, CO	24.0
Volatile Organic Compounds, VOC	4.58

[Rule 20.3]

17. When operated with the duct burner above 38.8 MMBtu/hr heat input, the emissions from this equipment shall not exceed the following emission limits, except during startup or shutdown conditions, as determined by the Continuous Emissions Monitoring System (CEMS), the District approved CO/VOC surrogate relationship, and/or District approved emission source testing. Compliance with the NOx and CO limits shall be based on a continuous 3-hour averaging period and compliance with the VOC limit shall be based on a 1-hour averaging period.

Pollutant	Emission Limit, lbs/hr
Oxides of Nitrogen, NOx (calculated as NO2)	15.95
Carbon Monoxide, CO	29.13
Volatile Organic Compounds, VOC	5.56

[Rule 20.3]

18. The emissions of particulate matter less than 10 microns (PM10) from each turbine shall not exceed 9.0 lbs/hr when operated with the duct burner at or below 38.8 MMBtu/hr heat input and shall not exceed 11.5 lbs/hr from each turbine when operated with the duct burner above 38.8 MMBtu/hr. Compliance with this limit shall be based on annual source testing (only with the duct burner operating in accordance with Condition 37). [Rule 20.3]

19. Except during startups and shutdowns, the emissions of ammonia (slippage) from each gas turbine exhaust stack shall not exceed 10.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen and averaged over a 1-hour period. Compliance with this limit shall be based on a District approved calculation methodology and verified during annual source testing. [Rule 1200]

20. Fuel consumption by the duct burners for both turbines shall not exceed 3,881,000 MMBtu (HHV) per rolling 12-month period. Whenever the duct burners are in operation, the CEMS shall record the dates and fuel consumption for each duct burner. The CEMS shall also record the total duct burner fuel usage for each rolling 12-month period (in MMBtu). The applicant shall maintain a log that contains, at a minimum, the dates and fuel usage when one or both turbines are operated with duct firing. These records shall be maintained on site for a minimum of five years and made available to District personnel upon request. [Rule 20.3]

21. When operated under startup conditions, the emissions from each turbine shall not exceed the following emission limits, averaged over each 1-hour period, as determined by the Continuous Emissions Monitoring System (CEMS), the District approved CO/VOC surrogate relationship, and continuous monitors and/or District approved emission source testing:

Pollutant	Emission Limit, lbs/hr
Oxides of Nitrogen, NOx (calculated as NO2)	240.0
Carbon Monoxide, CO	2706
Volatile Organic Compounds, VOC	48.0

[Rule 20.3]

22. When operated under startup or shutdown conditions, the emissions from each turbine shall not exceed the following emission limits, totaled per event, as determined by the Continuous Emissions Monitoring System (CEMS), the District approved CO/VOC surrogate relationship, and continuous monitors and/or District approved emission source testing:

Pollutant (during startups)	Emission Limit, lbs/ event
Oxides of Nitrogen, NOx (calculated as NO2)	480
Carbon Monoxide, CO	5412
Volatile Organic Compounds, VOC	96

Pollutant (during shutdowns)	Emission Limit, lbs/ event
Oxides of Nitrogen, NOx (calculated as NO2)	80
Carbon Monoxide, CO	902
Volatile Organic Compounds, VOC	16

[Rule 20.3]

23. Startup for each gas turbine shall be defined as the period beginning with the introduction of fuel to the combustion turbine following a non-operational period and ending after the lesser of either 360 minutes of continuous of fuel flow or when the CEMS records ten consecutive one-minute data points in compliance with the emission concentration limits of Conditions 11, 14, and 19 for the gas turbine. Excluding extended startups and the first 120 minutes of all other startups, the gas turbines shall comply with a NOx emission concentration limit of 11.8 ppmvd corrected to 15% oxygen. Compliance with this limit shall be based on CEMS data averaged over each one-hour period. For the purposes of this Permit to Operate, an extended startup shall be defined as the time during any startup when the steam turbine inner casing temperature is less than or equal to 500 °F. [Rules 20.3, 69.3.1]

24. During startups, including extended startups as defined in Condition 23, excluding the first 120 minutes of the startup, NOx emissions from the gas turbine shall not exceed 42 ppm corrected to 15% oxygen. Compliance with this limit shall be based on CEMS data averaged over each one-hour period. [Rule 69.3]

25. Shutdown for each gas turbine shall be defined as the 60-minute period preceding the termination of fuel flow to the gas turbine. [Rules 20.3, 69.3.1]

26. Both gas turbines shall not be operated simultaneously in startup mode. [Rule 20.3]

27. For purposes of determining compliance based on source testing, the average of three subtests shall be used. For purposes of determining compliance with emission limits based on the CEMS, data collected in accordance with the CEMS protocol shall be used and averaging periods shall be as specified herein. [40 CFR 75]

28. For each emission limit expressed as pounds per hour or parts per million based on a 1-hour averaging period, compliance shall be based on each 1-clock hour period using data collected at least once every 15 minutes when compliance is based on continuous emissions monitoring data. A valid clock hour shall be defined as one that includes at least 16 minutes of valid 1-minute data or includes a data point from at least two different quadrants that are spaced at least 15 minutes apart. A duct burner clock hour shall be defined as a valid clock hour in which the duct burner heat input exceeds 38.8 MMBtu/hr. [40 CFR 75]
29. For each emission limit expressed as pounds per hour or parts per million based on a 3-hour averaging period, compliance shall be based on rolling 3-clock hour period, not including startup and shutdown periods, using data collected at least once every 15 minutes when compliance is based on continuous emissions monitoring data. [40 CFR 75]
30. The Oxides of Nitrogen (NOx) and Oxygen (O2) CEMs shall be certified and maintained in accordance with applicable Federal Regulations including the requirements of: -Sections 75.10 and 75.12 of Title 40 -Code of Federal Regulations Part 75 (40 CFR 75) -the performance specifications of Appendix A of 40 CFR 75 -the quality assurance procedures of Appendix B of 40 CFR 75 -the CEMs protocol approved by the District. The Carbon Monoxide (CO) CEMS shall be certified and maintained in accordance with 40 CFR 60. (40 CFR Part 75, 40 CFR Part 60), and a CEMS protocol approved by the District, unless otherwise specified in this permit. [40 CFR 60; 40 CFR 75]
31. When the CEMS is not recording data and the unit is operating, hourly NOx emissions shall be determined in accordance with 40 CFR 75 Appendix C. Additionally, hourly CO emissions for the annual emission calculations shall be determined using the hourly emission rate recorded by the CEMS during the most recent hours in which the unit operated 3 continuous hours at no less than 80% of full power rating of each power station, either with or without duct firing. [40 CFR 60; 40 CFR 75]
32. Any violation of any emission standard as indicated by the CEMS shall be reported to the District's Compliance Division within 96 hours after such occurrence. [40 CFR 75]
33. The CEMs shall be maintained and operated, and reports submitted, in accordance with the requirements of Rule 19.2 Sections (D), (E), (F)(2), (F)(3), (F)(4) and (F)(5) and CEMs Protocol approved by the District. [Rule 19.2]
34. The District shall be notified at least two weeks prior to any changes made in CEMS software that affect the measurement, calculation or correction of data displayed and/or recorded by the CEMS. [40 CFR 75]
35. Operating logs or Data Acquisition System (DAS) records shall be maintained to record the following:
    a. dates of all startups and shutdowns;
    b. beginning and end times, to the nearest minute, of all startups and shutdowns;
    c. fuel usage, in standard cubic feet, for each clock hour, calendar month, and 12-calendar month period;
    d. hours of daily operation; and
    e. total cumulative hours per calendar year.
    [Rules 20.3, 69.3.1]
36. Continuous monitors shall be installed on each turbine to monitor or calculate and record the following:
    a. gas turbine natural gas flow rate (scfh),
    b. duct burner natural gas flow rate (scfh),
    c. gas turbine heat input rate (MMBtu/hr), HHV,
    d. duct burner heat input rate (MMBtu/hr), HHV,
    e. ammonia stack concentration (ppmvd, corrected to 15% oxygen),
    f. ammonia injection rate (lbs/hr),
    g. steam turbine inner casing temperature (°F),
    h. SCR inlet temperature (°F),
    i. exhaust gas temperature (°F), and
    j. power output (gross MW).
    The monitors shall be installed, calibrated, and maintained in accordance with an approved protocol. The monitors shall be in full operation at all times when the turbine is in operation. [Rule 69.3.1]

37. The applicant shall maintain records, at least on a calendar monthly basis, of total aggregate mass emissions of NOx, CO and VOC, in tons per year, from all emission units, at this stationary source for the previous 12-calendar month period. These records shall be made available for inspection within 30 calendar days after the end of each calendar month. [Rule 20.3]

38. All records required by this written permit shall be maintained on site for a minimum of five years and made available to the District upon request. [Rules 20.3, 69.3.1, 1421(b)]

39. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards specified in Conditions 11, 14, 15, 17, 18, and 19 of this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year. If this testing will be performed by someone other than the District, a source test protocol shall be submitted to the District for written approval at least 60 days prior to source testing. The source test protocol shall comply with the following requirements:
a. Measurements of oxides of nitrogen (NOx), carbon monoxide (CO), and stack gas oxygen content (O2) shall be conducted in accordance with U.S. Environmental Protection Agency (EPA) Methods 7E, 10 and 3A, respectively, and the San Diego Air Pollution Control District Method 100, or alternative methods approved by the District and the EPA.
b. Measurements of particulate matter less than 10 microns shall be conducted in accordance with the U.S. Environmental Protection Agency (EPA) Methods 201A and 202, or alternative methods approved by the District and the EPA.
c. Measurements of volatile organic compounds (VOC) shall be conducted in accordance with San Diego Air Pollution Control District Methods 18 and/or 25A, or alternative methods approved by the District and the EPA.
d. Measurements of ammonia emissions shall be conducted in accordance with Bay Area Air Quality Management District (BAAQMD) Method ST-1B, or alternative methods approved by the District and the EPA.
e. Source testing shall be performed only with both the combustion turbine and duct burner in operation. The duct burner shall be operated at not less than 80% of the rated heat input unless it is demonstrated to the satisfaction of the District that the unit cannot operate under these conditions. If the demonstration is accepted, then the emissions source testing shall be performed at the highest achievable continuous heat input.
f. Source testing shall be performed at not less than 80% of the unit's rated load unless it is demonstrated to the satisfaction of the District that the unit cannot operate under these conditions. If the demonstration is accepted, then emissions source testing shall be performed at the highest achievable continuous power level.
g. The following additional operating characteristics shall also be measured or calculated and recorded:
gas turbine natural gas flow rate (scfh),
duct burner natural gas flow rate (scfh),
fuel higher heating value (Btu/scf),
gas turbine heat input rate (MMBtu/hr),
duct burner heat input rate (MMBtu/hr),
ammonia injection rate (lbs/hr),
SCR inlet temperature (°F),
exhaust gas temperature (°F),
power output (gross MW).

[Rules 20.3, 69.3.1; 40 CFR 60 Subpart GG]

40. A Relative Accuracy Test Audit (RATA) and all other required certification tests shall be performed and completed on the CEMS in accordance with applicable provisions of 40 CFR part 75 Appendix A and B performance specifications. At least 30 days prior to the test date, the permittee shall submit a test protocol to the District for approval. Additionally, the District shall be notified a minimum of 21 days prior to the test so that observers may be present. [40 CFR 75]

41. Within 45 days after completion of the renewal source test or RATA, a final test report shall be submitted to the District for review and approval. [40 CFR 75]

42. Beginning with the start of the ongoing emission reduction monitoring period as defined in "Alternative Mobile Source Emission Reduction Program for Replacing Heavy and Medium Heavy-Duty Diesel Powered Vehicles and Repowering of Marine Vessels Under Rule 27 (c)(1)(vi)" as approved on September 8, 2000 (herein referred to as the Alternative MERC Program), the owner or operator shall, on or before the last day of the second calendar month following the end of each ongoing emission reduction monitoring year:
a. for each ongoing emission reduction monitoring year, based on the quarterly activity levels submitted by the mobile source owners and the applicable calculation method specified in the Alternative MERC Program, perform a calculation of the annual average and annual aggregate ongoing emission reductions and the ongoing emission reduction deficit, if any, for the MERCs surrendered to offset the facility's emissions;
b. provide an annual report to the District that summarizes the annual average ongoing emission reductions for each MERC, aggregate ongoing emission reductions, and the ongoing emission reduction deficit, if any, and provides supporting calculations and documentation; and
c. if the calculated annual ongoing emission reduction deficit is positive, notify the District, provide a compliance schedule to correct the ongoing emission reduction deficit, and correct the ongoing emission reduction deficit in accordance with Subsection (h)(4) of the Alternative MERC Program. [Rule 27.1]

43. Beginning with the second calendar year following the calendar year that the facility commences operations, the owner or operator shall, on or before March 1 of each calendar year:
a. based on information supplied by the mobile source owners for each MERC surrendered to the District, notify the District if the MERC fractional employment is less than 0.8;
b. based on information supplied by the mobile source owners for each MERC surrendered to the District, notify the District if the MERC fractional employment in primary service is less than 0.8; and
c. if one or more MERCs fractional employment or fractional employment in primary service is less than 0.8, provide a compliance schedule to correct any MERC shortfall and correct any MERC shortfall in accordance with Subsection (j)(4) of the Alternative MERC Program.
[Rule 27.1]

44. On or before the expiration date, if any, of a MERC surrendered to offset the NOx emissions from this facility, additional Class A emission reduction credits equivalent to the expiring MERC shall be surrendered to the District to offset project emissions unless project emissions are reduced such that the emissions of oxides of nitrogen (NOx) shall not exceed 1.0 parts per million by volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be based on CEMS data for each unit and averaged over each 3-hour period, excluding hours when the equipment is operated under any startup condition. If the project NOx emissions limit is reduced to 1.0 ppm, the total annual emissions of oxides of nitrogen (NOx), calculated as nitrogen dioxide, shall not exceed 50 tons per rolling 12-month period. Compliance with this limit shall be verified using the CEMS system on each gas turbine. [Rule 27.1]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

7. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

8. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

APPENDIX B: RULE REFERENCE TABLE

Rule Citation[1]	RULE TITLE	A/R[2]	District Adoption Date[3]	SIP FR Approval Date
	REGULATION I - GENERAL PROVISIONS			
1	Title	F	04/30/80	09/28/81
2	Definitions	F	06/30/99	02/03/00[4]
4	Review of Rules	F	01/01/70†	09/22/72
5	Authority to Arrest	F	03/24/76†	05/11/77
	REGULATION II - PERMITS			
10	Permits Required	F	07/25/95	03/11/98
10.1††	NSPS & NESHAPS Requirements	D	11/8/76	N/A
11	Exemptions	F	09/20/78	07/06/82
11	Exemptions from Rule 10 Permit Requirements	D/F	05/09/12	Pending
12	Registration of Specified Equipment	D	11/15/00	N/A
12.1	Portable Equipment Registration	D	05/21/97	N/A
14	Applications	F	04/30/80	09/28/81
15	Permit Process - Public Notifications	D/F	09/18/90	Pending
17	Cancellation of Applications	F	11/25/81	03/11/98
18	Action on Applications	F	01/17/72	09/22/72
18	Action on Applications	D/F	09/18/90	Pending
19	Provision of Sampling and Testing Facilities	F	04/06/93	03/11/98
19.1††	NSPS & NESHAPS Provision of Sampling and Testing Facilities Requirements	D	11/08/76	N/A
19.2	Continuous Emission Monitoring Requirements	F	12/13/78	09/28/81
19.3	Emission Information	F	5/15/96	03/09/00
20	Standards for Granting Applications	F	01/17/72	09/22/72
20	Standards for Granting Permits	D/F	06/10/86	Pending
20.1	Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements	F	07/05/79	04/14/81
20.1	NSR - General Provisions	D/F	11/04/98	Pending
20.2	Standards for Authority to Construct - Best Available Air Pollution Control Technology	F	07/05/79	04/14/81
20.2	NSR - Non-major Stationary Sources	D/F	11/04/98	Pending
20.3	Standards for Authority to Construct - Air Quality Analysis	F	07/05/79	04/14/81
20.3	NSR - Major Stationary Source and PSD Stationary Source	D/F	11/04/98	Pending
20.4	Standards for Authority to Construct - Major Stationary Sources	F	07/05/79	04/14/81
20.4	NSR - Portable Emission Units	D/F	11/04/98	Pending
20.5	Power Plants	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate - Air Quality Analysis	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate Air Quality Analysis	D/F	12/15/87	Pending

20.8	Special Offset Requirement Relating to Banking	D	2/16/83	N/A
21	Permit Conditions	F	11/29/94	03/11/98
22	Denial of Applications	F	01/01/69†	09/22/72
23	Further Information	F	01/01/69†	09/22/72
24	Temporary Permit to Operate	F	03/20/96	10/24/08
25	Appeals	F	01/01/69†	09/22/72
25	Appeals	D/F	06/21/00	Pending
26.0	Banking of Emission Reduction Credits (ERCs) - General Requirements	D/F	10/22/97	Pending
26.1	Standards for Granting Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.2	Use of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.3	Reclassification of Class B Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.4	Permanency of Banked Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.5	Transfer of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.6	District Banking of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.7	Shutdown and Related Emission Unit	D/F	10/22/97	Pending
26.8	Banking of Limited Emission Reductions	D/F	10/22/97	Pending
26.9	Emission Reduction Credit Certificates and The Emission Reduction Credit Register	D/F	10/22/97	Pending
26.10	Banking For BRAC Military Base Closure or Realignment Actions	D/F	10/22/97	Pending
27	Banking of Mobile Source Emission Reduction Credits	D/F	11/29/94	Pending
27.1	Federal Requirements for San Diego County APCD Alternative Mobile Source Emission Reduction Program Approved On 9/8/2000	F	08/06/08	06/03/09
	REGULATIONS III - FEES			
40	Permit Fees	D	8/13/03	N/A
42	Hearing Board Fees	D	06/21/00	N/A
44	Technical Reports, Charges for	D	12/7/83	N/A
	REGULATIONS IV - PROHIBITIONS			
50	Visible Emissions	F	08/13/97	12/7/98
50.1††	NSPS & NESHAPS Visible Emissions Requirements	D	11/08/76	N/A
51	Nuisance	F	01/01/69†	09/22/72
52	Particular Matter	F	01/22/97	12/9/98
52.1††	NSPS & NESHAPS Particular Matter Requirements	D	11/08/76	N/A
53	Specific Contaminants	F	01/22/97	12/9/98
53.1	Scavenger Plants	F	01/01/69†	09/22/72
53.2††	NSPS & NESHAPS Specific Contaminants Requirements	D	11/08/76	N/A
54	Dusts and Fumes	F	01/22/97	12/9/98
54.1	NSPS & NESHAP Dust and Fumes Requirement	D	11/08/76	N/A
58	Incinerator Burning	F	01/17/73†	05/11/77
59	Control of Waste Disposal - Site Emissions	D	11/03/87	Withdrawn
59.1	Municipal Solid Waste Landfills	D	06/17/98	N/A
60	Circumvention	F	05/17/94	03/09/00

60.2	Limiting Potential to Emit - Synthetic Minor Sources	D	08/13/03	N/A
61.0	Definitions Pertaining to the Storage & Handling of Organic Compounds	F	10/16/90	09/13/93
61.1	Receiving & Storing Volatile Organic Compounds at Bulk Plants & Bulk Terminals	F	01/10/95	08/08/95
61.2	Transfer of Volatile Organic Compounds into Mobile Transport Tanks	F	07/26/00	08/26/03
61.3	Transfer of Volatile Organic Compounds into Stationary Storage Tanks	F	10/16/90	06/30/93
61.3.1	Transfer of Gasoline into Stationary Underground Storage Tanks	D	03/01/06	N/A
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	F	10/16/90	05/13/93
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	D/F	03/26/08	Pending
61.4.1	Transfer of Gasoline from Stationary Underground Storage Tanks into Vehicles Fuel Tanks	D	03/01/06	N/A
61.5	Visible Emission Standards for Vapor Control Systems	F	09/20/78†	04/14/81
61.6	NSPS Requirements for Storage of Volatile Organic Compounds	D	01/13/87	Withdrawn
61.7	Spillage and Leakage of Volatile Organic Compounds	F	01/13/87	03/11/98
61.8	Certification Requirements for Vapor Control Equipment	F	01/13/87	03/11/98
62	Sulfur Content of Fuels	F	10/21/81	07/06/82
62.1††	NSPS Requirements for Sulfur Content of Fuels	D	11/08/76	N/A
64	Reduction of Animal Matter	F	07/22/81	07/06/82
66	Organic Solvents	F	07/25/95	08/11/98
66.1	Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs	D/F	2/24/10	Pending
67.0	Architectural Coatings	F	05/15/96	03/27/97
67.0	Architectural Coatings	D/F	12/12/01	Pending
67.1	Alternative Emission Control Plans	F	05/15/96	03/27/97
67.2	Dry Cleaning Equipment Using Petroleum - Based Solvent	F	05/15/96	03/27/97
67.3	Metal Parts and Products Coating Operations	F	05/15/96	03/27/97
67.4	Metal Container, Metal Closure and Metal Coil Coating Operations	F	05/15/96	11/03/97
67.5	Paper, Film and Fabric Coating Operations	F	05/15/96	03/27/97
67.6.1	Cold Solvent Cleaning and Stripping Operations	F	5/23/07	10/13/09
67.6.2	Vapor Degreasing Operations	F	5/23/07	10/13/09
67.7	Cutback and Emulsified Asphalts	F	05/15/96	03/27/97
67.9	Aerospace Coating Operations	F	04/30/97	08/17/98
67.10	Kelp Processing and Bio-Polymer Manufacturing	F	06/25/97	06/22/98
67.11	Wood Parts and Products Coating Operations	D/F	09/25/02	Pending
67.11.1	Large Coating Operations for Wood Products	F	09/25/02	06/05/03
67.12	Polyester Resin Operations	F	05/15/96	03/27/97
67.15	Pharmaceutical and Cosmetic Manufacturing Operations	F	05/15/96	03/27/97
67.16	Graphic Arts Operations	F	05/15/96	03/27/97

67.17	Storage of Materials Containing Volatile Organic Compounds	F	05/15/96	03/27/97
67.18	Marine Coating Operations	F	05/15/96	03/27/97
67.19	Coating and Printing Inks Manufacturing Operations	F	05/15/96	01/19/00
67.20	Motor Vehicle & Mobile Equipment Refinishing Operations	D	11/13/96	N/A
67.20.1	Motor Vehicle and Mobile Equipment Coating Operations	D	06/30/10	N/A
67.21	Adhesive Material Application Operations	D	12/16/98	N/A
67.22	Expandable Polystyrene Foam Products Manufacturing Operations	D	05/15/96	N/A
67.24	Bakery Ovens	F	05/15/96	03/27/97
68	Fuel-Burning Equipment – Oxides of Nitrogen	F	09/20/94	04/09/96
68.1††	NSPS Requirements for Oxides of Nitrogen from Fuel-Burning Equipment	D	11/08/76	N/A
69	Electrical Generating Steam Boilers, Replacement Units & New Units	D	12/12/95	N/A
69.2	Industrial & Commercial Boilers, Process Heaters & Steam Generators	F	09/27/94	02/09/96
69.2.1	Small Boilers, Process Heaters and Steam Generators	D	03/25/10	N/A
69.3	Stationary Gas Turbine Engines	F	09/27/94	06/17/97
69.3	Stationary Gas Turbine Engines – RACT	D/F	12/16/98	Pending
69.3.1	Stationary Gas Turbine Engines – BARCT	D	12/16/98	N/A
69.4	Stationary Internal Combustion Engines	F	09/27/94	01/22/97
69.4	Stationary Internal Combustion Engines – RACT	D/F	07/30/03	2/25/04
69.4.1	Stationary Internal Combustion Engines - BARCT	D	11/15/00	N/A
69.5	Natural Gas-Fired Water Heaters	D	06/17/98	N/A
69.6	Natural Gas-Fired Fan-Type Central Furnaces	D	06/17/98	N/A
70	Orchard Heaters	F	01/17/72	09/22/72
71	Abrasive Blasting	F	03/30/77	08/31/78
	REGULATION V - PROCEDURES BEFORE THE HEARING BOARD			
75	Procedure Before the Hearing Board	D/F	09/17/85	Pending
75.1††	NSPS & NESHAPS Variance Procedures	D	09/17/85	7/30/79
97	Emergency Variance	D/F	07/25/95	Pending
98	Breakdown Conditions: Emergency Variance	D	07/25/95	Withdrawn
	REGULATION VI - BURNING CONTROL			
101–112	Burning Control	F	09/25/02	04/30/03
	REGULATION VII - VALIDITY AND EFFECTIVE DATE			
140	Validity	F	01/01/69†	09/22/72
141	Effective Date	F	01/01/69†	09/22/72
	REGULATION VIII - SAN DIEGO AIR POLLUTION EMERGENCY PLAN			
126	Applicability	F	05/25/77	08/31/78

127	Episode Criteria Levels	F	09/17/91	03/18/99
128	Episode Declaration	F	09/17/91	03/18/99
129	Episode Termination	F	05/25/77	08/31/78
130	Episode Actions	F	09/17/91	03/18/99
131	Stationary Source Curtailment Plan	F	04/01/81	06/21/82
132	Traffic Abatement Plan	F	04/01/81	06/21/82
132	Traffic Abatement Plan	D/F	12/17/97	Pending
133	Schools	F	05/25/77	08/31/78
134	Source Inspection	F	04/01/81	06/21/82
135	Air Monitoring Stations	F	05/25/77	08/31/78
136	Interdistrict and Interbasin Coordination	F	05/25/77	08/31/78
137	Emergency Action Committee	F	05/25/77	08/31/78
138	Procedures and Plans	F	05/25/77	08/31/78
	APPENDIX A - Persons to be Notified on Episode Declaration	F		
	REGULATION IX - PUBLIC RECORDS			
175	General	F	05/22/74†	05/11/77
176	Information Supplied to District	F	05/22/74†	05/11/77
177	Inspection of Public Records	F	03/30/77	08/31/78
177	Inspection of Public Records	D/F	06/20/01	Pending
	REGULATION XII - TOXIC AIR CONTAMINANTS			
1200	Toxic Air Contaminants - New Source Review	D	06/12/96	N/A
1202	Hexavalent Chromium - Cooling Towers	D	07/25/95	N/A
1203	Ethylene Oxide Sterilizers and Aerators	D	07/26/00	N/A
1205	Control of Dioxins Emissions from Medical Waste Incinerators	D	01/01/94	N/A
1210	Toxic Air Contaminant Public Health Risks - Public Notification and Risk Reduction	D	06/12/96	N/A
	REGULATION XIV - TITLE V OPERATING PERMITS			
1401	General Provisions	F	05/23/01	02/27/04
1410	Permit Required	F	05/23/01	02/27/04
1411	Exemption from Permit to Operate for Insignificant Units	F	01/18/94	11/30/01
1412	Federal Acid Rain Program Requirements	F	01/18/94	11/30/01
1413	Early Reduction of Hazardous Air Pollutants	F	03/07/95	11/30/01
1414	Applications	F	03/07/95	11/30/01
1415	Permit Process-Public Notification	F	05/23/01	02/27/04
1417	Pendency & Cancellation of Applications	F	03/07/95	11/30/01
1418	Action on Applications	F	03/07/95	11/30/01
1419	Provisions of Sampling & Testing Facilities & Emission Information	F	03/07/95	11/30/01
1420	Standards for Granting Permits	F	03/07/95	11/30/01
1421	Permit Conditions	F	03/07/95	02/27/04

1422	Denial or Cancellation Of Applications	F	03/07/95	11/30/01
1423	Further Information	F	01/18/94	11/30/01
1424	Applications Deemed Denied	F	01/18/94	11/30/01
1425	Appeals & Judicial Review	F	03/07/95	02/27/04
	APPENDIX A - Insignificant Units	F	01/18/94	11/30/01
	APPENDIX A - Insignificant Units	F	05/23/01	11/30/01
	REGULATION XV - FEDERAL CONFORMITY			
1501	Conformity of General Federal Actions	F	03/07/95	04/23/99

1. Rule Citations marked with an "††" contain no substantive requirements and are listed for informational purposes only.
2. 'A/R' Denotes enforceability of the listed applicable requirement as follows:
   'F' Denotes a Federal applicable requirement that is federally enforceable and District enforceable.
   'D/F' Denotes a District applicable requirement which is pending SIP approval. When such a rule receives SIP approval, it supersedes the existing SIP rule and becomes the Federal applicable requirement.
   'D' Denotes a District only applicable requirement. This may include some state requirements that are enforceable by the District.
3. District adoption dates marked with an "†" are the effective date of the rule, the actual adoption date is uncertain.
4. On September 17, 2010, EPA approved the District's November, 4, 2009, revision to the table of exempt compounds in Rule 2, which can be administratively amended without Board action to amend the rule.

The following NSPS and NESHAP have been adopted locally by the District. EPA has granted the District delegation for each of these rules. Therefore, these rules, as adopted by the District are the federally applicable requirements. For all other NSPS and NESHAP, the versions cited in the CFR are the federally applicable requirements.

Subpart & Citation	Rule Title	District Adoption Date	Federal Delegation Date
Part 60	**Regulation X - Standards of Performance for New Stationary Sources**		
A	General Provisions	Unknown 11/03/92	11/08/76
E	Standards of Performance for Incinerators	Unknown	03/30/77
I	Standards of Performance for Asphalt Concrete Plants	Unknown 01/13/87	11/08/76
L	Standards of Performance for Secondary Lead Smelters	Unknown	11/08/76
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	Unknown 09/17/85*	03/30/77
O	Standards of Performance for Sewage Treatment Plants	01/13/87	09/17/87
DD	Standards of Performance for Grain Elevators	Unknown	05/24/82
EE	Standards of Performance for Surface Coating Metal Furniture	03/04/86 11/03/92	03/19/87
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	08/24/83	12/22/83
RR	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations	09/17/86 11/03/92	03/19/87
SS	Standards of Performance for the Industrial Surface Coating Large Appliances	02/22/84 11/03/92*	04/24/84
TT	Standards of Performance for Metal Coil Surface Coating	02/22/84 11/03/92*	04/24/84
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	03/14/89	07/18/89
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	09/17/86	03/19/87
JJJ	Standards of Performance for Petroleum Dry Cleaners	12/15/87	07/18/89
Part 61	**Regulation XI- National Emission Standards for Hazardous Air Pollutants (NESHAPS)**		
A	General Provisions	01/13/87	05/24/82
C	National Emission Standard for Beryllium	Unknown	11/08/76
D	National Emission Standard for Beryllium Rocket Motor Firing	Unknown	11/08/76
E	National Emission Standard for Mercury	03/27/90	05/17/91
F	National Emission Standard for Vinyl Chloride	08/17/77 06/16/78	11/21/77
M	National Emission Standard for Asbestos	06/04/85 02/01/95	07/18/89

The following ATCM and NESHAP have not been adopted by the District, but are being implemented and enforced by the District as ATCM's.

Subpart & Citation	RULE TITLE	A/R	Most Recent Adoption Date
	DISTRICT RULES AND REGULATIONS APPENDIX A - CALIFORNIA AIRBORNE TOXIC CONTROL MEASURES (ATCM)		
17 CCR § 93102	Hexavalent Chromium ATCM for Chrome Plating & Chromic Acid Anodizing Operations	D/F	12/7/06
17 CCR § 93109	ATCM For Emissions of Perchloroethylene From Dry Cleaning Operations	F	01/25/07
17 CCR § 93101.5	ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying	D	09/30/05
17 CCR § 93105	ATCM for Construction, Grading, Quarrying, and Surface Mining Operations	D	07/26/01
17 CCR § 93106	Asbestos ATCM for Surface Applications	D	07/20/00
17 CCR § 93107	ATCM For Emissions of Toxic Metals From Non-Ferrous Metal Melting	D	01/14/93
17 CCR § 93111	ATCM for Emissions of Chlorinated Toxic Air Contaminants from Automotive Maintenance & Repair Activities	D	04/27/00
17 CCR § 93112	ATCM for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Motor Equipment Coatings	D	09/20/01
17 CCR § 93113	ATCM to Reduce Emissions of Toxic Air Contaminants from Outdoor Residential Waste Burning	D	02/03/03
17 CCR § 93115	ATCM for Stationary Compression Ignition Engines	D	05/19/11
17 CCR § 93116	ATCM for Portable Diesel-Fueled Engines	D	**02/19/11**
Part 63	**DISTRICT RULES AND REGULATIONS APPENDIX B - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR SOURCE CATEGORIES**		
A	General Provisions	F	05/16/07
N	Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks	F	04/20/06
O	Ethylene Oxide Sterilization Facilities	F	12/28/07
R	Gasoline Distribution	F	01/24/11
T	Halogenated Solvent Cleaning	F	09/08/00
DD	Off-site Waste & Recovery Operations	F	07/20/99
GG	Aerospace Manufacturing and Rework Facilities	F	12/08/00
II	Shipbuilding and Ship Repair (Surface Coating)	F	12/15/95
JJ	Wood Furniture Manufacturing Operations	F	12/28/98
VVV	Publicly Owned Treatment Works	F	10/21/02
AAAA	Municipal Solid Waste Landfills	F	01/16/03
EEEE	Organic Liquids Distribution (non-gasoline)	F	07/17/08
MMMM	Surface Coating of Miscellaneous Metal Parts and Products	F	04/26/04
PPPP	Plastic Parts (surface coating)	F	04/24/07
SSSS	Surface Coating of Metal Coil	F	03/17/03
VVVV	Boat Manufacturing	F	08/22/01

WWWW	Reinforced Plastic Composites Production	F	8/25/05
YYYY	Stationary Combustion Turbines	F	08/18/04
ZZZZ	Stationary Reciprocating Internal Combustion Engines	F	03/09/11
DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters	F	05/18/11
GGGGG	Site Remediation	F	11/29/06
HHHHH	Miscellaneous Coating Manufacturing	F	10/04/06
PPPPP	Engine Test Cells/Stands	F	08/28/03
WWWWW	Hospital Ethylene Oxide Sterilizers Area Sources	F	12/28/07
BBBBBB	Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	F	01/24/11
CCCCCC	Gasoline Dispensing Facilities	F	01/24/11
HHHHHH	Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources	F	01/09/08
JJJJJJ	Area Sources: Industrial, Commercial, and Institutional Boilers	F	3/21/11
QQQQQQ	Wood Preserving Area Sources	F	07/16/07
VVVVVV	Chemical Manufacturing Area Sources	F	11/29/09
WWWWWW	Plating and Polishing Operations Area Sources	F	07/01/08
XXXXXX	Metal Fabrication and Finishing Area Sources	F	7/23/08
AAAAAAA	Asphalt Processing and Asphalt Roofing Manufacturing Area Sources	F	12/02/09
CCCCCCC	Paint and Allied Products Manufacture Area Sources	F	12/03/09

The following NSPS have been adopted by the District by reference. The rules listed below are the CFR versions of these rules which are federally applicable requirements.

Subpart & Citation	RULE TITLE	Latest EPA Promulgation Date	District Adoption Date	Delegation Date
Part 60	**DISTRICT RULES AND REGULATIONS APPENDIX C - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES (NSPS)**			
D	Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	10/17/00 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Da	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	06/11/01 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Db	Standards of Performance for Industrial-Commercial - Institutional Steam Generating Units	10/01/01 01/28/09	04/25/01 06/24/09	01/03/08 Pending
Dc	Standards of Performance for Small Industrial-Commercial -Institutional Steam Generating Units	05/08/96 01/28/09	08/13/97 06/24/09	06/24/98 Pending
GG	Standards of Performance for Stationary Gas Turbines	06/27/89 02/24/06	10/17/01 02/25/09	01/03/08 Pending
K	Standards of Performance for Storage Vessels for Petroleum Liquids Construct After June 11, 1973 and Prior to May 19, 1978	10/17/00	06/20/07	01/03/08
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Construction after May 18, 1978	12/14/00	06/20/07	01/03/08
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	10/15/03	06/20/07	01/03/08
AAA	Standards of Performance for New Residential Wood Heaters	06/12/99 10/17/00	04/12/00 N/A	01/03/08 N/A
OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	06/09/97 10/17/00	04/28/99 N/A	05/28/02 N/A
UUU	Standards of Performance for Calciners and Dryers in Mineral Industries	07/29/93 10/17/00	11/17/99 N/A	05/28/02 N/A
VVV	Standards for Polymeric Coating of Supporting Substrates Facilities	09/11/89	05/23/07	01/03/08
WWW	Standards of Performance for Municipal Solid Waste Landfills	04/10/00	08/13/97	06/24/98
AAAA	Standards of Performance for Small Municipal Waste Combustion Units	12/06/00	06/20/07	01/03/08
CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units	12/01/00	06/20/07	01/03/08
EEEE	Standards of Performance for Other Solid Waste Incineration Units	12/16/05	06/20/07	01/03/08

The following NSPS have not been adopted by the District and are not delegated to the District. However, the District has the authority to enforce the NSPS through the Title V program. The rules listed below are the CFR versions of these rules, which are federally applicable requirements.

Subpart & Citation	RULE TITLE	Latest EPA Promulgation Date	District Adoption Date	Delegation Date
Part 60				
IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	07/11/06	N/A	N/A
JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	01/18/08	N/A	N/A

APPENDIX C: ABBREVIATIONS and DEFINITIONS

CFR - Code of Federal Regulations.
Title 40 of the Code of Federal Regulations (40 CFR) contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 contain the requirements for air pollution programs.

District - San Diego County Air Pollution Control District

EPA - Environmental Protection Agency

FE - Federally Enforceable
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51 Subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAPs), Part 72 (Permits Regulation, Acid Rain), including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

NESHAP - National Emission Standards for Hazardous Air Pollutants
See 40 CFR Parts 61 and 63.

NSPS - New Source Performance Standards
The federal standards of performance for new stationary sources are mandated by Title I Section III of the Federal Clean Air Act and implemented by 40 CFR 60 and District Regulation X.

NSR - New Source Review
The federal program for pre-construction review and permitting of new and modified sources of pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act is mandated by Title I of the Federal Clean Air Act and implemented by 40 CFR 51, 40 CFR 52, and District Regulation II Rule 2.
(Note: There are additional NSR requirements mandated by the California Clean Air Act.)

SIP - State Implementation Plan
The State and District programs and regulations approved by EPA and developed in order to attain the National Ambient Air Quality Standards are mandated by Title I of the Federal Clean Air Act.

SDCAPCD - San Diego County Air Pollution Control District.

Title V - Title V of the Federal Clean Air Act
Title V requires a federally enforceable operating permit program for major sources and certain other facilities.

VOC - Volatile Organic Compounds

Attachment B

Acid Rain Renewal Application

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 11/30/2012

Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: CTG 1 ☐ New ☐ Revised ☒ for ARP permit renewal

CTG - 2

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Otay Mesa Energy Center, LLC. Facility (Source) Name	CA State	55345 Plant Code

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
CTG-1	(Yes)
CTG-2	(Yes)
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

Permit Requirements

STEP 3

Read the standard requirements.

(1) The designated representative of each affected source and each affected unit at the source shall:

(i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and

(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;

(2) The owners and operators of each affected source and each affected unit at the source shall:

(i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and

(ii) Have an Acid Rain Permit.

Monitoring Requirements

(1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.

(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.

(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

(1) The owners and operators of each source and each affected unit at the source shall:

(i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and

(ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.

(3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:

(i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or

(ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

Sulfur Dioxide Requirements, Cont'd.

STEP 3, Cont'd.

(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

(1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
(2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
(ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
(i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission

of a new certificate of representation changing the designated representative;

STEP 3, Cont'd.

Recordkeeping and Reporting Requirements, Cont'd.

(ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
(iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:
(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with

any other provision of the Act, including the provisions of title I of the Act relating

STEP 3, Cont'd.

Effect on Other Authorities, Cont'd.

to applicable National Ambient Air Quality Standards or State Implementation Plans;
(2) Limiting the number of allowances a source can hold; *provided,* that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;
(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4
Read the certification statement, sign, and date.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name Dale Donmoyer	
Signature [redacted]	Date 11/5/18

Instructions for the Acid Rain Program Permit Application

The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. If assistance is needed, contact the title V permitting authority.

STEP 1 A Plant Code is a 4 or 5 digit number assigned by the Department of Energy=s (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, send an email to the EIA. The email address is EIA-860@eia.gov.

STEP 2 In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 343-9620.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 8 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. **Do not send the completed form to this address.**

Attachment C

Emissions Calculations

Attachment C

Emissions calculations have already been provided to the District as part of the permitting process. Please refer to the current Title 5 permit in Attachment A and the District files.

Attachment D

SDAPCD Fee Determination

SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT

APPLICATION FEE ESTIMATE

Applicant Site ID/PTO Number:	*APCD1999-SITE-10882*	*APCD2010-PTO-00025*	
Applicant DBA:	*Otay Mesa Energy Center/Cal Pine*	Fee Schedule:	TV
		Reason for Submittal:	Title V
		Existing Site?	Yes
APCD Engineer:	*Nick Horres*	Estimate Date:	11/28/2018
Equipment Description:	*To renew an existing Title V permit*		

ACTIVITY	EMPLOYEE CLASSIFICATION	LABOR HOURS	COST	SUBTOTAL	
Initial Evaluation Fee - T&M (Rule 40(d)(3)(i))					
Authority to Construct	Project Engineer		$0.00		
	Senior Engineer		$0.00	$0.00	ETM
Permit to Operate	Project Engineer		$0.00		
	Senior Engineer	40.0	$7,920.00	$7,920.00	ETM
T&M Application - No Fixed Fee, see above					
Authority to Construct/Permit to Operate		#N/A	#N/A	$0.00	ETM
Additional Evaluation and Processing Fees (Rule 40(d)(5))					
New Source Review	Project Engineer		$0.00		NSR
	Meteorologist		$0.00	$0.00	AQI
Prev. Significant Deterioration	Project Engineer		$0.00	$0.00	PSD
Toxics New Source Review (Health Risk Assessment)	Project Engineer		$0.00		
	Meteorologist		$0.00		
	Air Resources Specialist		$0.00		
	HRA Base Estimate	N/A	$0.00	$0.00	TNS
Title V	Project Engineer		$0.00		
	Senior Engineer		$0.00	$0.00	TIV
NESHAPS/ATCM/NSPS	Project Engineer		$0.00	$0.00	HAP
CEQA	Project Engineer		$0.00	$0.00	CEQ
AB 3205 Notice	Project Engineer		$0.00		
	Public Notice Costs		$0.00	$0.00	AB3
Equipment subject to Rule 11(a)(3)	Project Engineer		$0.00		
	Senior Engineer		$0.00	$0.00	R51
H&SC 42301(e)	Project Engineer		$0.00		
	Senior Engineer		$0.00	$0.00	HSC
Testing or Test Witness	Associate Engineer		$0.00		STF
	Senior Chemist		$0.00		ad-hoc
	Associate Chemist		$0.00		ad-hoc
	Source Test Technician		$0.00		ad-hoc
	Fixed Testing Fees		$0.00	$0.00	ad-hoc
Miscellaneous Fees					
Processing Fee (Rule 40(d)(1)(ii))		1.0	$105	$105.00	EFX
Renewal Fee (Rule 40(e)(2)(ii))		N/A	N/A	$0.00	REN
Emissions Fee (Rule 40(e)(2)(iv))			N/A	$0.00	EMF

ESTIMATE TOTAL: $8,025.00

NOTES:

(1) To avoid possible processing delays, this document should be submitted with your application forms.

(2) The fees contained in this estimate are are based on APCD Rule 40. Final fee may be more or less than this estimate (see Rule 40(d)(1)(iii)).

(3) Emissions determined to be greater than 5 tons per year will be charged a emission fee on a ton per year basis. (see Rule 40 (e)(2)(iv)(A))

(4) Fees paid by credit card will be assessed a 2.2% processing fee (see Rule 40(c)(5))

(5) Federal government payments made through DFAS: Please reference the above liste Site ID Record number in your DFAS submittal.

(6) This estimate is valid only for applications received by the District by June 30, 2019